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132	86	100.0	105	4	US-10-216-159A-166	Sequence 166, App	205	86	100.0	105	4	US-10-147-508-470	Sequence 470, App
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ALIGNMENTS

RESULT 1

US-10-016-481-3

Sequence 3, Application US/10016481

Publication No. US20020115610A1

GENERAL INFORMATION:

APPLICANT: Zhou, Qun-Yong

APPLICANT: Ehler, Frederick

TITLE OF INVENTION: Prokineticin Polypeptides, Related

TITLE OF INVENTION: Compositions and Methods

FILE REFERENCE: P-UC 5016

CURRENT APPLICATION NUMBER: US/10/016,481

CURRENT FILING DATE: 2001-11-01

PRIOR APPLICATION NUMBER: 60/245,882

PRIOR FILING DATE: 2000-11-03

NUMBER OF SEQ ID NOS: 19

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 3

LENGTH: 86

TYPE: PRT

ORGANISM: Homo sapiens

US-10-016-481-3

Query Match 100.0%; Score 86; DB 4; Length 86;

Best Local Similarity 100.0%; Pred. No. 3.1e-82;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 AVITGACERDVCGAGTCCATSLWLRGLRMCTPLRGEGECPGSHKVPFFRKRHHTCP 60

QY 61 CLPNLLCSRFDPGRYRCMDLKNINF 86

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RESULT 6
US-10-713-567-3
; Sequence 3, Application US/10713567
; Publication No. US20040235732A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; APPLICANT: Ehrlert, Frederick J.
; TITLE OF INVENTION: Methods For Modulating Angiogenesis
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-359
; CURRENT APPLICATION NUMBER: US/10/713,567
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US 60/426,203
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 10/ 016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: US 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
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; ORGANISM: Homo sapiens
US-10-713-567-3

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RESULT 7
US-10-811-328-3
; Sequence 3, Application US/10811328
; Publication No. US20050026828A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Gastric Secretion
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-365
; CURRENT APPLICATION NUMBER: US/10/811,328
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: 60/457,891
; PRIOR FILING DATE: 2003-03-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSEQ for Windows Version 4.0
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-811-328-3

```

Qy	61	CLPNLLCSRFPDGRYRCSMDLKNINF	86
D β	61	CLPNLLCSRFPDGRYRCSMDLKNINF	86

```

RESULT 8
US-10-912-907-3
; Sequence 3, Application US/10912907
; Publication No. US20050037464A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; APPLICANT: Ehler, Frederick
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: P-UC 5016
; CURRENT APPLICATION NUMBER: US/10/912, 907
; CURRENT FILING DATE: 2004-08-06
; PRIOR APPLICATION NUMBER: US/10/016, 481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245, 882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-912-907-3

```

```

RESULT 9
US-10-415-724-3
; Sequence 3, Application US/10415724
; Publication NO. US20050074758A1
;
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: FP-UC 5030
; CURRENT APPLICATION NUMBER: US/10/415,724
; CURRENT FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-415-724-3

```

	Query Match	100.0%;	Score 86;	DB 5;	Length 86;
	Best Local Similarity	100.0%;	Pred. No. 3.1e-82;		
	Matches	86;	Conservative	0;	Mismatches 0; Indels 0; Gaps 0;
Qy	1	AVITGACERDVQCGAGTCCCAISLWLGLRMCTPLGREGECHPGSHKVPFRKKKHHTCP	60		
Db	1	AVITGACERDVQCGAGTCCCAISLWLGLRMCTPLGREGECHPGSHKVPFRKKKHHTCP	60		
	61	CLPNLLCSRPDPGRYRCSDMLKNINF	86		

Db 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86

RESULT 10

US-10-871-152-22
; Sequence 22, Application US/10871152
; Publication No. US20050170455A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Novel Prokineticin Receptor Isoforms and
; FILE OF INVENTION: Methods of Use
; FILE REFERENCE: 66778-369
; CURRENT APPLICATION NUMBER: US/10/871,152
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 60/480,239
; PRIOR FILING DATE: 2003-06-20
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-871-152-22

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
Db 1 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86

RESULT 11

US-10-503-554A-82
; Sequence 82, Application US/10503554A
; Publication No. US2005017632A1
; GENERAL INFORMATION:
; APPLICANT: OHTAKI, TETSUYA
; APPLICANT: MASUDA, YASUSHI
; APPLICANT: TAKATSU, YOSHITIRO
; TITLE OF INVENTION: ANGIOGENESIS INHIBITORS
; FILE REFERENCE: 61807 (46342)
; CURRENT APPLICATION NUMBER: US/10/503,554A
; CURRENT FILING DATE: 2004-08-04
; PRIOR APPLICATION NUMBER: JP2002-27299
; PRIOR FILING DATE: 2002-02-04
; NUMBER OF SEQ ID NOS: 184
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 82
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-503-554A-82

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
Db 1 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86

RESULT 12

US-10-343-095A-117
; Sequence 117, Application US/10343095A
; Publication No. US20050209447A1
; GENERAL INFORMATION:
; APPLICANT: ITO, Takashi
; APPLICANT: TANAKA, Yoko
; APPLICANT: KONDO, Mitsuyo
; TITLE OF INVENTION: Process for Producing Recombinant Protein
; FILE REFERENCE: 2764USOP
; CURRENT APPLICATION NUMBER: US/10/343,095A
; CURRENT FILING DATE: 2003-01-24
; PRIOR APPLICATION NUMBER: PCT/JP01/06392
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: JP 2000-229064
; PRIOR FILING DATE: 2000-07-25
; NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 117
; LENGTH: 86
; TYPE: PRT
; ORGANISM: Human
US-10-343-095A-117

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
Db 1 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86

RESULT 13

US-10-016-481-18
; Sequence 18, Application US/10016481
; Publication No. US20020115610A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; APPLICANT: Ehler, Frederick
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: P-UC 5016
; CURRENT APPLICATION NUMBER: US/10/016,481
; CURRENT FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-016-481-18

Query Match 100.0%; Score 86; DB 4; Length 87;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
Db 2 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 61
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db 62 CLPNLLCSRFDPGRYRCSDMLKNINF 87

RESULT 14

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US-10-323-157-18
; Sequence 18, Application US/10323157
; Publication No. US20030113867A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: P-UC 5016
; CURRENT APPLICATION NUMBER: US/10/323,157
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/10/016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-323-157-18

Query Match      100.0%; Score 86; DB 4; Length 87;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 2 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 61

QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
Db 62 CLPNLLCSRFDPGRYRCSMDLKNINF 87

RESULT 15
US-10-713-567-18
; Sequence 18, Application US/10713567
; Publication No. US20040235732A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Angiogenesis
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-359
; CURRENT APPLICATION NUMBER: US/10/713,567
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US 60/426,203
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 10/ 016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: US 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-713-567-18

Query Match      100.0%; Score 86; DB 5; Length 87;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 2 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 61

QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
Db 62 CLPNLLCSRFDPGRYRCSMDLKNINF 87

RESULT 15
US-10-713-567-18
; Sequence 18, Application US/10713567
; Publication No. US20040235732A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Angiogenesis
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-359
; CURRENT APPLICATION NUMBER: US/10/713,567
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US 60/426,203
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 10/ 016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: US 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-713-567-18

Query Match      100.0%; Score 86; DB 5; Length 87;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 2 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 61

```

```

QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
Db 62 CLPNLLCSRFDPGRYRCSMDLKNINF 87

RESULT 16
US-10-811-328-18
; Sequence 18, Application US/10811328
; Publication No. US20050026828A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Gastric Secretion
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-365
; CURRENT APPLICATION NUMBER: US/10/811,328
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: 60/457,891
; PRIOR FILING DATE: 2003-03-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-811-328-18

Query Match      100.0%; Score 86; DB 5; Length 87;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 2 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 61

QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
Db 62 CLPNLLCSRFDPGRYRCSMDLKNINF 87

RESULT 17
US-10-912-907-18
; Sequence 18, Application US/10912907
; Publication No. US20050037464A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: P-UC 5016
; CURRENT APPLICATION NUMBER: US/10/912,907
; CURRENT FILING DATE: 2004-08-06
; PRIOR APPLICATION NUMBER: US/10/016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-912-907-18

Query Match      100.0%; Score 86; DB 5; Length 87;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 2 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 61

QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
Db 62 CLPNLLCSRFDPGRYRCSMDLKNINF 87

```

Db 2 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTTCP 61
QY 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
Db 62 CLPNLLCSRFPDGRYRCSDMLKNINF 87

RESULT 18

US-10-415-724-18
; Sequence 18, Application US/10415724
; Publication No. US20050074758A1
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; FILE REFERENCE: PP-UC 5030
; CURRENT APPLICATION NUMBER: US/10/415,724
; CURRENT FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 87
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-415-724-18

Query Match 100.0%; Score 86; DB 5; Length 87;
Best Local Similarity 100.0%; Pred. No. 3.1e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTTCP 60
Db 2 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 61
QY 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
Db 62 CLPNLLCSRFPDGRYRCSDMLKNINF 87

RESULT 19

US-10-016-481-15
; Sequence 15, Application US/10016481
; Publication No. US20020115610A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; FILE REFERENCE: P-UC 5016
; CURRENT APPLICATION NUMBER: US/10/016,481
; CURRENT FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-016-481-15

Query Match 100.0%; Score 86; DB 4; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60

Db 4 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTTCP 63
QY 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
Db 64 CLPNLLCSRFPDGRYRCSDMLKNINF 89

RESULT 20

US-10-323-157-15
; Sequence 15, Application US/10323157
; Publication No. US20030113867A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; FILE REFERENCE: P-UC 5016
; CURRENT APPLICATION NUMBER: US/10/323,157
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: US/10/016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-323-157-15

Query Match 100.0%; Score 86; DB 4; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTTCP 60
Db 4 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 63
QY 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
Db 64 CLPNLLCSRFPDGRYRCSDMLKNINF 89

RESULT 21

US-10-713-567-15
; Sequence 15, Application US/10713567
; Publication No. US20040235732A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Angiogenesis
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-359
; CURRENT APPLICATION NUMBER: US/10/713,567
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: US 60/426,203
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 10/ 016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: US 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct

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US-10-713-567-15
;
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-912-907-15
Query Match      100.0%; Score 86; DB 5; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRRKRHHHTCP 60
    |||||||
Db 4 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRRKRHHHTCP 63
    |||||||
QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86
    |||||||
Db 64 CLPNLLCSRFPPDGRYRCSMDLKNINF 89
    |||||||
RESULT 22
US-10-811-328-15
; Sequence 15, Application US/10811328
; Publication No. US20050026828A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; TITLE OF INVENTION: Methods For Modulating Gastric Secretion
; TITLE OF INVENTION: Using Prokineticin Receptor Antagonists
; FILE REFERENCE: 66778-365
; CURRENT APPLICATION NUMBER: US/10/811,328
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: 60/457,891
; PRIOR FILING DATE: 2003-03-25
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-811-328-15
Query Match      100.0%; Score 86; DB 5; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRRKRHHHTCP 60
    |||||||
Db 4 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRRKRHHHTCP 63
    |||||||
QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86
    |||||||
Db 64 CLPNLLCSRFPPDGRYRCSMDLKNINF 89
    |||||||
RESULT 23
US-10-912-907-15
; Sequence 15, Application US/10912907
; Publication No. US20050037464A1
; GENERAL INFORMATION:
; APPLICANT: Zhou, Qun-Yong
; APPLICANT: Ehler, Frederick
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: P-UC 5016
; CURRENT APPLICATION NUMBER: US/10/912,907
; CURRENT FILING DATE: 2004-08-06
; PRIOR APPLICATION NUMBER: US/10/016,481
; PRIOR FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-912-907-15
Query Match      100.0%; Score 86; DB 5; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRRKRHHHTCP 60
    |||||||
Db 4 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRRKRHHHTCP 63
    |||||||
QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86
    |||||||
Db 64 CLPNLLCSRFPPDGRYRCSMDLKNINF 89
    |||||||
RESULT 24
US-10-415-724-15
; Sequence 15, Application US/10415724
; Publication No. US20050074758A1
; GENERAL INFORMATION:
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Prokineticin Polypeptides, Related
; TITLE OF INVENTION: Compositions and Methods
; FILE REFERENCE: PP-UC 5030
; CURRENT APPLICATION NUMBER: US/10/415,724
; CURRENT FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: 60/245,882
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 89
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-10-415-724-15
Query Match      100.0%; Score 86; DB 5; Length 89;
Best Local Similarity 100.0%; Pred. No. 3.2e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRRKRHHHTCP 60
    |||||||
Db 4 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRRKRHHHTCP 63
    |||||||
QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86
    |||||||
Db 64 CLPNLLCSRFPPDGRYRCSMDLKNINF 89
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RESULT 25
US-09-989-722-371
; Sequence 371, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
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APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC63
CURRENT APPLICATION NUMBER: US/09/989,722
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCAIISLWGLRMCTPLGREGECHPGSHKVPFRRKHHTCP 60
Db 20 AVITGACERDVCGAGTCCAIISLWGLRMCTPLGREGECHPGSHKVPFRRKHHTCP 79

QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 26
US-09-989-723-371
; Sequence 371, Application US/09989723
; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC62
; CURRENT APPLICATION NUMBER: US/09/989,723
; PRIOR FILING DATE: 2001-11-19
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; PRIOR FILING DATE: 1998-06-25
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCATSLMLGRLMCTPLGREGECHPGSHKVPFPRKRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLMLGRLMCTPLGREGECHPGSHKVPFPRKRKHTCP 79

Qy 61 CLPNLLCSRFDPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 27
US-09-989-279-371
; Sequence 371, Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
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; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C56
; CURRENT APPLICATION NUMBER: US/09/989,279
; CURRENT FILING DATE: 2001-11-19
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; PRIOR FILING DATE: 1997-06-16
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82; Mismatches 0; Indels 0; Gaps 0;

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DB |||||||
QY 80 CLPNLLCSRFPDGRYRCSMDLNINP 105

RESULT 28

US-09-989-727-371
Sequence 371, Application US/099893727

Patent No. US20020072497A1

GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Botstein, David
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
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;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin

;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730PIC65
;; CURRENT APPLICATION NUMBER: US/09/989,727
;; CURRENT FILING DATE: 2001-11-19
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; PRIOR FILING DATE: 1998-07-09
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Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGRBGECHPGSHKVPFFRRKXHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGRBGECHPGSHKVPFFRRKXHTCP 79

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Db 80 CLPNLCSRFPPDGRYRCSMDLKNINF 105

RESULT 29
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; Sequence 371, Application US/09989731
; Patent No. US20020103125A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
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; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C70

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Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
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QY 1 AVITGACRDVQCAGTCCAISLWLGLRMCTPLGRGEGCHPGSHKVPFFRKRKHTCP 60
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QY 61 CLPNLCSRPFGGRYCSMDLKNINF 86
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RESULT 30
US-09-989-732-371
; Sequence 371, Application US/09989732
; Patent No. US20020123463A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
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; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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;; PRIOR APPLICATION NUMBER: 60/090445
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;; PRIOR APPLICATION NUMBER: 60/090472
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;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
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;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLRGEGEGCHPGSHKYPFFRKRKHTTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLRGEGEGCHPGSHKYPFFRKRKHTTCP 79
Qy 61 CLPNLLCSRFPDGRYRCMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 31

US-09-991-073-371
; Sequence 371, Application US/09991073
; Patent No. US20020127576A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C15
; CURRENT APPLICATION NUMBER: US/09/991,073
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17

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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match          100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVCGAGTCCATSLWLRGLMCTPLGREGGEGCHPGSHKVPFFRKHKHTCP 60
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Db 20 AVITGACRDVCGAGTCCATSLWLRGLMCTPLGREGGEGCHPGSHKVPFFRKHKHTCP 79
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QY 61 CLPNLLCSRFPPDGRYRCSMDLNINF 86
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Db 80 CLPNLLCSRFPPDGRYRCSMDLNINF 105
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RESULT 32
US-09-990-442-371
; Sequence 371, Application US/09990442
; Patent No. US20020132252A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC8
; CURRENT APPLICATION NUMBER: US/09/990,442
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR APPLICATION NUMBER: 60/091478

; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred.No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGRGEECHPGSHKVPFFPKRKHHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGRGEECHPGSHKVPFFPKRKHHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 33
US-09-991-163-371
; Sequence 371, Application US/09991163
; Patent No. US2002013225A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C17
; CURRENT APPLICATION NUMBER: US/09/991,163
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
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3	PRIOR FILING DATE: 1998-06-17	
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5	PRIOR FILING DATE: 1998-06-17	
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7	PRIOR FILING DATE: 1998-06-17	
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9	PRIOR FILING DATE: 1998-06-17	
10	PRIOR APPLICATION NUMBER: 60/089801	
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67	PRIOR FILING DATE: 1998-06-26	
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70	PRIOR APPLICATION NUMBER: 60/091478	
71	PRIOR FILING DATE: 1998-07-02	
72	PRIOR APPLICATION NUMBER: 60/091544	
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; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches      86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCATSLWLRLGRLMCTPLRGEGECHPGSHKVPFFFRKRKHTTCTP 60
Db 20 AVITGACERDVCGAGTCCATSLWLRLGRLMCTPLRGEGECHPGSHKVPFFFRKRKHTTCTP 79
QY 61 CLPNLCSRFDPGRYRCSMDLKNINF 86
Db 80 CLPNLCSRFDPGRYRCSMDLKNINF 105

RESULT 34
US-09-993-604-371
; Sequence 371, Application US/09993604
; Patent No. US20020137075A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
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; APPLICANT: Pan, James
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; APPLICANT: Stewart, Timothy A.
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; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC25
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Query Match 100.0%; Score 86; DB 3; Length 105;
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RESULT 35

US-09-990-456-371
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; Patent No. US20020137890A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
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; APPLICANT: Tumas, Daniel
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; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C22
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Query Match 100.0%; Score 86; DB 3; Length 105;
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RESULT 36

US-09-989-721-371
Sequence 371, Application US/09989721

Patent No. US20020142961A1

GENERAL INFORMATION:

1 APPLICANT: Ashkenazi, Avi J.
2 APPLICANT: Baker, Kevin P.
3 APPLICANT: Botstein, David
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TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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FILE REFERENCE: P2730PIC55

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; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
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; PRIOR FILING DATE: 1998-07-01
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982

; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGEECHPGSHKVPFFFRKRKHTTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGEECHPGSHKVPFFFRKRKHTTCP 79
QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 37
US-09-992-598-371
; Sequence 371, Application US/09992598
; Patent No. US20020160384A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC20
; CURRENT APPLICATION NUMBER: US/09/992,598
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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232 PRIOR FILING DATE: 1998-07-02
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235 PRIOR APPLICATION NUMBER: 60/091519
236 PRIOR FILING DATE: 1998-07-02
237 PRIOR APPLICATION NUMBER: 60/091626
238 PRIOR FILING DATE: 1998-07-02
239 PRIOR APPLICATION NUMBER: 60/091633
240 PRIOR FILING DATE: 1998-07-02
241 PRIOR APPLICATION NUMBER: 60/091978
242 PRIOR FILING DATE: 1998-07-07
243 PRIOR APPLICATION NUMBER: 60/091982
244 PRIOR FILING DATE: 1998-07-07
245 PRIOR APPLICATION NUMBER: 60/092182
246 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCAIISLWRLGRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db |||||||

QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
Db |||||||

RESULT 38

US-09-886-242A-2

; Sequence 2, Application US/09886242A

; Patent No. US20020172678A1

; GENERAL INFORMATION:

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Watanabe, Colin

; APPLICANT: Wood, William I.

; TITLE OF INVENTION: EG-VEGF NUCLEIC ACIDS AND POLYPEPTIDES

; TITLE OF INVENTION: AND METHODS OF USE

; FILE REFERENCE: GENENT.1516A

; CURRENT APPLICATION NUMBER: US/09/886,242A

; CURRENT FILING DATE: 2001-06-20

; PRIOR APPLICATION NUMBER: US 60/230,978

; PRIOR FILING DATE: 2000-09-07

; PRIOR APPLICATION NUMBER: US 60/213,637

; PRIOR FILING DATE: 2000-06-23

; PRIOR APPLICATION NUMBER: US 60/145,698

; PRIOR FILING DATE: 1999-07-26

; PRIOR APPLICATION NUMBER: US 60/096,146

; PRIOR FILING DATE: 1998-08-11

; PRIOR APPLICATION NUMBER: PCT/US00/33678

; PRIOR FILING DATE: 2000-12-01

; PRIOR APPLICATION NUMBER: PCT/US00/08439

; PRIOR FILING DATE: 2000-03-30

; PRIOR APPLICATION NUMBER: PCT/US00/04914

; PRIOR FILING DATE: 2000-02-24

; PRIOR APPLICATION NUMBER: PCT/US00/00219

; PRIOR FILING DATE: 2000-01-05

; PRIOR APPLICATION NUMBER: PCT/US99/12252

; PRIOR FILING DATE: 1999-06-02

; PRIOR APPLICATION NUMBER: US 09/709,238

; PRIOR FILING DATE: 2000-11-08

; Remaining Prior Application data removed - See File Wrapper or PALM.

; NUMBER OF SEQ ID NOS: 18

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 105

; TYPE: PRT

; ORGANISM: Homo sapiens

; FEATURE:

US-09-886-242A-2

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCAIISLWRLGRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db |||||||

QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
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RESULT 39

US-09-989-293A-371

; Sequence 371, Application US/09989293A

; Patent No. US20020177164A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC66
; CURRENT APPLICATION NUMBER: US/09/989,293A
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTGCCATSLWLRLGRLMCTPLGREGEECHPGSHKVPFFRKRKHTCP 60
DB 20 AVITGACERDVQCGAGTGCCATSLWLRLGRLMCTPLGREGEECHPGSHKVPFFRKRKHTCP 79

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DB 80 CLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 40
US-09-965-528-11
; Sequence 11, Application US/09965528
; Publication No. US20020187523A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE GENOMICS, INC.

```
; APPLICANT: TANG, Y. Tom
; APPLICANT: YUE, Henry
; APPLICANT: LAL, Preeti
; APPLICANT: BURFORD, Neil
; APPLICANT: BANDMAN, Olga
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: AZIMZAI, Valda
; APPLICANT: LU, Dyung Aina M.
; APPLICANT: PATTERSON, Chandra
; TITLE OF INVENTION: EXTRACELLULAR SIGNALING MOLECULES
; FILE REFERENCE: PF-0701 USA
; CURRENT APPLICATION NUMBER: US/09/965,528
; CURRENT FILING DATE: 2001-09-26
; PRIOR APPLICATION NUMBER: 60/134,949
; PRIOR FILING DATE: 1999-05-19
; PRIOR APPLICATION NUMBER: 60/144,270
; PRIOR FILING DATE: 1999-07-15
; PRIOR APPLICATION NUMBER: 60/146,700
; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 60/157,508
; PRIOR FILING DATE: 1999-10-04
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PERL Program
; SEQ ID NO 11
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020187523A1 2006548CD1
US-09-965-528-11

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCAISLWRLGLRMCTPLGREGECHPGSHKVPFPRKRKHHTCP 60
Db 20 AVITGACERDVCGAGTCAISLWRLGLRMCTPLGREGECHPGSHKVPFPRKRKHHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSMDLNKINF 86
Db 80 CLPNLLCSRFDPGRYRCSMDLNKINF 105

RESULT 41
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; Sequence 371, Application US/09989735
; Publication No. US20020193299A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin J.
; APPLICANT: Klijavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
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; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC61
; CURRENT APPLICATION NUMBER: US/09/989,735
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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RESULT 42
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; Publication No. US20020193300A1
; GENERAL INFORMATION:
; APPLICANT: Askenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
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; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas P.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Tra
; TITLE OF INVENTION: Acids Encoding

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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CLPNLLCSFPDGRYRCSMDLKNINF 86
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Db 80 CLPNLLCSFPDGRYRCSMDLKNINF 105

RESULT 45
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; Sequence 371, Application US/09990436
; Publication No. US20020198148A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC14
; CURRENT APPLICATION NUMBER: US/09/990,436
; CURRENT FILING DATE: 2001-11-14
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Query Match 100.0%; Score 86; DB 3; Length 105;
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Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGEGECHPGSHKYPFFFRKHHTCP 60
DB 20 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGEGECHPGSHKYPFFFRKHHTCP 79
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
DB 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 46

US-09-993-687-371
; Sequence 371, Application US/09993687
; Publication No. US20020198149A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tamas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C11
; CURRENT APPLICATION NUMBER: US/09/993,687
; CURRENT FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770

[illegible]


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/ PRIOR FILING DATE: 1998-07-01
/ PRIOR APPLICATION NUMBER: 60/091519
/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091626
/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091633
/ PRIOR FILING DATE: 1998-07-02
/ PRIOR APPLICATION NUMBER: 60/091978
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/091982
/ PRIOR FILING DATE: 1998-07-07
/ PRIOR APPLICATION NUMBER: 60/092182
/ PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
   |||||
Db 20 AVITGACRDVCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79
   |||||

QY 61 CLPNLLCSRPDPGRYRCSMDLKNINF 86
   |||||
Db 80 CLPNLLCSRPDPGRYRCSMDLKNINF 105
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RESULT 47
US-09-989-734-371
/ Sequence 371, Application US/09989734
/ Publication No. US2003003531A1
/ GENERAL INFORMATION:
/ APPLICANT: Ashkenazi, Avi J.
/ APPLICANT: Baker, Kevin P.
/ APPLICANT: Botstein, David
/ APPLICANT: Desnoyers, Luc
/ APPLICANT: Eaton, Dan L.
/ APPLICANT: Ferrara, Napoleone
/ APPLICANT: Fong, Sherman
/ APPLICANT: Gerber, Hanspeter
/ APPLICANT: Gerritsen, Mary E.
/ APPLICANT: Goddard, Audrey
/ APPLICANT: Godowski, Paul J.
/ APPLICANT: Grimaldi, J. Christopher
/ APPLICANT: Gurney, Austin L.
/ APPLICANT: Kljavin, Ivar J.
/ APPLICANT: Napier, Mary A.
/ APPLICANT: Pan, James
/ APPLICANT: Paoni, Nicholas F.
/ APPLICANT: Roy, Margaret Ann
/ APPLICANT: Stewart, Timothy A.
/ APPLICANT: Tumas, Daniel
/ APPLICANT: Watanabe, Colin K.
/ APPLICANT: Williams, P. Mickey
/ APPLICANT: Wood, William I.
/ APPLICANT: Zhang, Zemin
/ TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
/ FILE REFERENCE: P2730PIC64
/ CURRENT APPLICATION NUMBER: US/09/989,734
/ CURRENT FILING DATE: 2001-11-19
/ PRIOR APPLICATION NUMBER: 60/049787
/ PRIOR FILING DATE: 1997-06-16
/ PRIOR APPLICATION NUMBER: 60/062250
/ PRIOR FILING DATE: 1997-10-17
/ PRIOR APPLICATION NUMBER: 60/065186
/ PRIOR FILING DATE: 1997-11-12
/ PRIOR APPLICATION NUMBER: 60/065311
/ PRIOR FILING DATE: 1997-11-13
/ PRIOR APPLICATION NUMBER: 60/066770
/ PRIOR FILING DATE: 1997-11-24
/ PRIOR APPLICATION NUMBER: 60/075945
/ PRIOR FILING DATE: 1998-02-25

/ PRIOR APPLICATION NUMBER: 60/078910
/ PRIOR FILING DATE: 1998-03-20
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/ PRIOR APPLICATION NUMBER: 60/089440
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/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: 60/089538
/ PRIOR FILING DATE: 1998-06-17
/ PRIOR APPLICATION NUMBER: 60/089598
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; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGRGEGECHPGSHKVPFFRKRKHTCP 60
Db |||||
20 AVITGACERDVQCGAGTCCATSLWLRGLRMTCTPLGRGEGECHPGSHKVPFFRKRKHTCP 79

QY 61 CLPNLLCSRFDPGRYRCMDLKNINF 86
Db |||||
80 CLPNLLCSRFDPGRYRCMDLKNINF 105

RESULT 48
US-09-997-653-371
; Sequence 371, Application US/09997653
; Publication No. US20030008297A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C38
; CURRENT APPLICATION NUMBER: US/09/997,653
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322

1 PRIOR FILING DATE: 1998-04-28
2 PRIOR APPLICATION NUMBER: 60/084600
3 PRIOR FILING DATE: 1998-05-07
4 PRIOR APPLICATION NUMBER: 60/087106
5 PRIOR FILING DATE: 1998-05-28
6 PRIOR APPLICATION NUMBER: 60/087607
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8 PRIOR APPLICATION NUMBER: 60/087609
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10 PRIOR APPLICATION NUMBER: 60/087759
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13 PRIOR FILING DATE: 1998-06-03
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22 PRIOR APPLICATION NUMBER: 60/088029
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84 PRIOR APPLICATION NUMBER: 60/089947
85 PRIOR FILING DATE: 1998-06-19
86 PRIOR APPLICATION NUMBER: 60/089948
87 PRIOR FILING DATE: 1998-06-19
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100 PRIOR APPLICATION NUMBER: 60/090429
101 PRIOR FILING DATE: 1998-06-24
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104 PRIOR APPLICATION NUMBER: 60/090435
105 PRIOR FILING DATE: 1998-06-24
106 PRIOR APPLICATION NUMBER: 60/090444
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109 PRIOR FILING DATE: 1998-06-24
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112 PRIOR APPLICATION NUMBER: 60/090535
113 PRIOR FILING DATE: 1998-06-24
114 PRIOR APPLICATION NUMBER: 60/090540
115 PRIOR FILING DATE: 1998-06-24
116 PRIOR APPLICATION NUMBER: 60/090542
117 PRIOR FILING DATE: 1998-06-24
118 PRIOR APPLICATION NUMBER: 60/090557
119 PRIOR FILING DATE: 1998-06-24
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121 PRIOR FILING DATE: 1998-06-25
122 PRIOR APPLICATION NUMBER: 60/090678
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135 PRIOR FILING DATE: 1998-06-26
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137 PRIOR FILING DATE: 1998-07-01
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139 PRIOR FILING DATE: 1998-07-02
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146 PRIOR APPLICATION NUMBER: 60/091633

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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AVITGACERDVCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db      20 AVITGACERDVCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79

QY      61 CLPNLLCSFPDGRVRCSDMLKNINF 86
Db      80 CLPNLLCSFPDGRVRCSDMLKNINF 105

RESULT 49
US-09-989-724-371
; Sequence 371, Application US/09989724
; Publication No. US20030017476A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerlitsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Guiney, Austin L.
; APPLICANT: Klijavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC67
; CURRENT APPLICATION NUMBER: US/09/989,724
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR APPLICATION NUMBER: 60/066770
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR FILING DATE: 1998-06-04
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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089600
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; PRIOR APPLICATION NUMBER: 60/089653
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; PRIOR FILING DATE: 1998-07-09
Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
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Db 20 AVITGACRDVQCAGTCCALSLMLRGLRMTCTPLGREGECHPGSHKVPFPRKKHHTCP 79
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QY 61 CLPNLLCSRRFPDGRVRCSDMLKINF 86
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Db 80 CLPNLLCSRRFPDGRVRCSDMLKINF 105

RESULT 51
US-09-990-441-371
; Sequence 371, Application US/09990441
; Publication No. US20030017982A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritseen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PLC47
; CURRENT APPLICATION NUMBER: US/09/990,441
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1998-06-04
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Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-09-997-428-371
; Sequence 371, Application US/09997428
; Publication No. US20030027162A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
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; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC44
; CURRENT APPLICATION NUMBER: US/09/997,428
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/089952

1 PRIOR FILING DATE: 1998-06-19
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19 PRIOR FILING DATE: 1998-06-24
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22 PRIOR APPLICATION NUMBER: 60/090472
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56 PRIOR APPLICATION NUMBER: 60/091626
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59 PRIOR FILING DATE: 1998-07-02
60 PRIOR APPLICATION NUMBER: 60/091978
61 PRIOR FILING DATE: 1998-07-07
62 PRIOR APPLICATION NUMBER: 60/091982
63 PRIOR FILING DATE: 1998-07-07
64 PRIOR APPLICATION NUMBER: 60/092182
65 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACRDVQCGAGTCCATSLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRRKHTCP 60
Db 20 AVITGACRDVQCGAGTCCATSLWLRGLRMTCTPLGREGECHPGSHKVPFFRKRRKHTCP 79

Qy 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 54

US-09-997-666-371
; Sequence 371, Application US/09997666
; Publication No. US20030027163A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deanoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C42
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCCGAGTCCATSLWLRLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
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Db 20 AVITGACERDVCCGAGTCCATSLWLRLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79
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QY 61 CLPNLLCSRFDPGRYRCMSDLKNINF 86
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Db 80 CLPNLLCSRFDPGRYRCMDLKNINF 105

RESULT 55

US-09-990-438-371

; Sequence 371, Application US/09990438

; Publication No. US20030027754A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

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; APPLICANT: Napier, Mary A.

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; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tunas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730P1C3

; CURRENT APPLICATION NUMBER: US/09/990,438

; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

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; PRIOR FILING DATE: 1998-07-09
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Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82; Mismatches 0; Indels 0; Gaps 0;

Matches 86; Conservative 0;

QY 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFPKRKXHTCP 60

Db 20 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFPKRKXHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86

Db 80 CLPNLLCSRFDPGRYRCSMDLKNINF 105

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RESULT 56
US-09-990-562-371
; Sequence 371, Application US/09990562
; Publication No. US20030027985A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deenoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C18
; CURRENT APPLICATION NUMBER: US/09/990,562
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/090355
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGRLMCTPLGRGEGECHPGSHKVPFFPKRKHHTCP 60
Db 20 AVITGACERDVQCGAGTCCAISLWLRGRLMCTPLGRGEGECHPGSHKVPFFPKRKHHTCP 79
Qy 61 CLPNLLCSRFPDGRYRCMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 57
US-09-796-753-64
; Sequence 64, Application US/09796753

Publication No. US20030027998A1
GENERAL INFORMATION:
APPLICANT: McCarthy, Sean A.
TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
FILE REFERENCE: 7853-227-999
CURRENT APPLICATION NUMBER: US/09/796,753
CURRENT FILING DATE: 2001-03-01
PRIOR APPLICATION NUMBER: 09/183,175
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 09/223,094
PRIOR FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 09/223,546
PRIOR FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 09/224,246
PRIOR FILING DATE: 1998-12-30
PRIOR APPLICATION NUMBER: 09/259,388
PRIOR FILING DATE: 1999-02-26
PRIOR APPLICATION NUMBER: 60/122,458
PRIOR FILING DATE: 1999-03-01
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PRIOR FILING DATE: 1999-05-14
PRIOR APPLICATION NUMBER: 09/336,536
PRIOR FILING DATE: 1999-06-18
PRIOR APPLICATION NUMBER: 09/342,687
PRIOR FILING DATE: 1999-06-29
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PRIOR FILING DATE: 1999-06-30
PRIOR APPLICATION NUMBER: 09/365,164
PRIOR FILING DATE: 1999-07-30
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PRIOR FILING DATE: 1999-09-20
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PRIOR APPLICATION NUMBER: 09/471,179
PRIOR FILING DATE: 1999-12-23
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PRIOR FILING DATE: 1999-12-29
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PRIOR FILING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/514,010
PRIOR FILING DATE: 2000-02-25
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PRIOR FILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 09/572,002
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PRIOR FILING DATE: 2000-06-29
PRIOR APPLICATION NUMBER: 09/665,666
PRIOR FILING DATE: 2000-09-20
PRIOR APPLICATION NUMBER: 09/677,751
PRIOR FILING DATE: 2000-09-30
NUMBER OF SEQ ID NOS: 162
SEQ ID NO 64
LENGTH: 105
TYPE: PRT
ORGANISM: Homo sapiens
US-09-796-753-64

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGECHPGSHKVPFFFRKRKHHTCP 60
DB 20 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGGECHPGSHKVPFFFRKRKHHTCP 79

QY 61 CLPILLCSRFDPDGRYRCMSMDLKNINF 86
DB 80 CLPILLCSRFDPDGRYRCMSMDLKNINF 105
RESULT 58
US-09-990-711-371
Sequence 371, Application US/09990711
Publication No. US20030032023A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC2
CURRENT APPLICATION NUMBER: US/09/990,711
CURRENT FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLGRGEGECHPGSHKVPFRKKKHTCP 60
Db 20 AVITGACERDVQCGAGTCCCAISLWLRGRLMCTPLGRGEGECHPGSHKVPFRKKKHTCP 79
Qy 61 CLPNLLCSRFPDGRYRCMDLNKINF 86
|||||

Db 80 CLPNLLCSRFDPGRYRCMSMDLKNINF 105

RESULT 59

US-09-989-726-371

; Sequence 371, Application US/09989726

; Publication No. US20030040473A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730PIC60

; CURRENT APPLICATION NUMBER: US/09/989,726

; CURRENT FILING DATE: 2001-11-19

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

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; PRIOR APPLICATION NUMBER: 60/090252

; PRIOR FILING DATE: 1998-06-22

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;; PRIOR FILING DATE: 1998-06-22
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;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVCCAGTCCATSLWLRGLRMCTPLGREGECHGSHKVPFPRKXHTCP 60

Db 20 AVITGACERDVCCAGTCCATSLWLRGLRMCTPLGREGECHGSHKVPFPRKXHTCP 79

Qy 61 CLPNLLCSRFDPDGRYCSMDLKNINF 86

Db 80 CLPNLLCSRFDPDGRYCSMDLKNINF 105

RESULT 60
US-09-998-156-371
; Sequence 371, Application US/09998156
; Publication No. US20030044806A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C28
; CURRENT APPLICATION NUMBER: US/09/998,156
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
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; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCALSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCALSLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79
Qy 61 CLPNLLCSRFDPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 61
US-09-990-437-371
; Sequence 371, Application US/09990437

Publication No. US20030045463A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kijavini, Ivar J.
APPLICANT: Napier, Mary A.
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APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC49
CURRENT APPLICATION NUMBER: US/09/990,437
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
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; PRIOR APPLICATION NUMBER: 60/091478
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; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
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; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred No. 3.6e-82; Mismatches 0; Indels 0; Gaps 0;
Matches 86; Conservative 0;

Qy 1 AVITGACERDVCGAGTGCASISLWLRGLRMCTPLGREGEGCHPGSHKVPFFKRKHHTCP 60
Db 20 AVITGACERDVCGAGTGCASISLWLRGLRMCTPLGREGEGCHPGSHKVPFFKRKHHTCP 79
Qy 61 CLPNLLCSRFDPGRYRCSMDLNINF 86
Db 80 CLPNLLCSRFDPGRYRCSMDLNINF 105

RESULT 62
US-09-991-157-371
; Sequence 371, Application US/09991157
; Publication No. US20030049638A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.

;
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Iuc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PLC51
; CURRENT APPLICATION NUMBER: US/09/991,157
; CURRENT FILING DATE: 2001-11-16
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; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167

APPLICANT: Eaton Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanpeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC46
CURRENT APPLICATION NUMBER: US/09/997,514
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
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;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 20 AVITGACERDVQCGAGTCCALSILWRLGLRMTPLGREGECHPGSHKVPFFPRKXHTCP 79

Oy 61 CLPNLLCSRRPDPGRYCSMDLKNINF 86

Db 80 CLPNLLCSRRPDPGRYCSMDLKNINF 105

RESULT 64

US-09-997-573-371

; Sequence 371, Application US/09997573

; Publication No. US20030049682A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
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;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; TITLE OF INVENTION: Acids Encoding the Same
;; FILE REFERENCE: P2730P1C45
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; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDYQCGAGTCCATSLWLGLRMCTPLRGEGECHPGSHKVPFFFRKRKHHTCP 60
Db 20 AVITGACERDYQCGAGTCCATSLWLGLRMCTPLRGEGECHPGSHKVPFFFRKRKHHTCP 79

QY 61 CLPNLLCSRFDPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 65
US-09-991-172-371
; Sequence 371, Application US/09991172
; Publication No. US20030050457A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
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APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P27301C50
CURRENT APPLICATION NUMBER: US/09/991,172
CURRENT FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match          100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCAIISLWLRGLRMCTPLGREGEECHPGSHKVPFFFRKRKHHTCP 60
Db 20 AVITGACERDVCGAGTCCAIISLWLRGLRMCTPLGREGEECHPGSHKVPFFFRKRKHHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 66
US-09-990-726-371
; Sequence 371, Application US/09990726
; Publication No. US20030054359A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
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; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730FIC16
; CURRENT APPLICATION NUMBER: US/09/990,726
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR APPLICATION NUMBER: 60/088738
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APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC40
CURRENT APPLICATION NUMBER: US/09/997,559
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
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Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACRDVCGAGTCCALSLWLRGLMCTPLGREGECHPGSHKVPFRKRKHHTCP 60

Db 20 AVITGACRDVCGAGTCCALSLWLRGLMCTPLGREGECHPGSHKVPFRKRKHHTCP 79

Qy 61 CLPNLLCSRFDPGRYRCMDLKNINF 86

Db 80 CLPNLLCSRFDPGRYRCMDLKNINF 105

RESULT 68

US-09-997-601-371

Sequence 371, Application US/09997601

Publication No. US20030054404A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David

APPLICANT: Desnovers, Luc

APPLICANT: Eaton, Dan L.

APPLICANT: Ferrara, Napoleone

APPLICANT: Fong, Sherman

APPLICANT: Gerber, Hanspeter

APPLICANT: Gerritsen, Mary E.

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Grimaldi, J. Christopher

APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.

APPLICANT: Napier, Mary A.

APPLICANT: Pan, James

APPLICANT: Paoni, Nicholas F.

APPLICANT: Roy, Margaret Ann

APPLICANT: Stewart, Timothy A.

1 APPLICANT: Tumas, Daniel
2 APPLICANT: Watanabe, Colin K.
3 APPLICANT: Williams, P. Mickey
4 APPLICANT: Wood, William I.
5 APPLICANT: Zhang, Zemin
6 TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
7 FILE REFERENCE: P2730P1C36
8 CURRENT FILING DATE: 2001-11-15
9 PRIOR APPLICATION NUMBER: 60/049787
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
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; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCCGAGTCCATSLWLRLGRLMCTPLRGEGECHPGSHKVPFFRRKHHTCP 60
DB 20 AVITGACERDVCCGAGTCCATSLWLRLGRLMCTPLRGEGECHPGSHKVPFFRRKHHTCP 79
QY 61 CLPNLLCSRFDPDGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRFDPDGRYRCSMDLKNINF 105

RESULT 69
US-09-990-443-371
; Sequence 371, Application US/09990443
; Publication No. US20030054987A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
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; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
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; APPLICANT: Roy, Margaret Ann
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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey

APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC12
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CURRENT FILING DATE: 2001-11-14
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Query Match          100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CLPNLLCSRPDPGRYCRSMDLKNINP 86
Db 80 CLPNLLCSRPDPGRYCRSMDLKNINF 105

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; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C24
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Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
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Db 20 AVITGACRDVCGAGTCCATSLWLRLGRLMCTPLGREGEGCHPGSHKVPFFRKRHHTCP 79

QY 61 CLPNLLCSRFDPGRYRCMDLKNINF 86
Db 80 CLPNLLCSRFDPGRYRCMDLKNINF 105

RESULT 72
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; Publication No. US20030059783A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
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; APPLICANT: Kljavin, Ivar J.
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; APPLICANT: Paoni, Nicholas F.
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C32
; CURRENT APPLICATION NUMBER: US/09/997,683
; CURRENT FILING DATE: 2001-11-15
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; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLRGEGECHPGSHKVPFFRKRHHTCP 60
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Db 20 AVITGACERDVQCGAGTCCATSLWLRLGLRMCTPLRGEGECHPGSHKVPFFRKRHHTCP 79
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Qy 61 CLPNLLCSRFPDGRYRCMDLKNINF 86
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Db 80 CLPNLLCSRFPDGRYRCMDLKNINF 105
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RESULT 73

US-09-989-729A-371
; Sequence 371, Application US/09989729A
; Publication No. US20030059831A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Deanovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC59
; CURRENT APPLICATION NUMBER: US/09/989,729A
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186

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3 PRIOR FILING DATE: 1997-11-13
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6 PRIOR APPLICATION NUMBER: 60/075945
7 PRIOR FILING DATE: 1998-02-25
8 PRIOR APPLICATION NUMBER: 60/078910
9 PRIOR FILING DATE: 1998-03-20
10 PRIOR APPLICATION NUMBER: 60/083322
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12 PRIOR APPLICATION NUMBER: 60/084600
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match          100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 20 AVITGACERDVCGAGTCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFFRKRKHTCP 79

QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
DB 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 74
US-09-997-349-371
; Sequence 371, Application US/09997349
; Publication No. US20030059832A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC37
; CURRENT APPLICATION NUMBER: US/09/997,349
; CURRENT FILING DATE: 2001-11-15
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/	PRIOR APPLICATION NUMBER: 60/091978	
/	PRIOR FILING DATE: 1998-07-07	
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/	PRIOR APPLICATION NUMBER: 60/092182	
/	PRIOR FILING DATE: 1998-07-09	
Query Match 100.0%; Score 86;		
Best Local Similarity 100.0%; Pred. No. Mismatch		
Matches 86; Conservative 0;		
Qy	1 AVITGACERDVQCGAGTCCCAISLWLRLGRM	
Db	20 AVITGACERDVQCGAGTCCCAISLWLRLGRM	
Qy	61 CLPNLLCSRPPDGRYCRSMDLKNINF 86	
Db	80 CLPNLLCSRPPDGRYCRSMDLKNINF 105	
RESULT 75		
US-09-997-440-371		
; Sequence 371, Application US/09937440		
; Publication No. US20030059833A1		
GENERAL INFORMATION:		
/	APPLICANT: Ashkenazi, Avi J.	
/	APPLICANT: Baker, Kevin P.	
/	APPLICANT: Botstein, David	
/	APPLICANT: Deenoyers, Luc	
/	APPLICANT: Baton, Dan L.	
/	APPLICANT: Ferrara, Napoleone	
/	APPLICANT: Fong, Sherman	
/	APPLICANT: Gerber, Hanspeter	
/	APPLICANT: Gerriksen, Mary E.	
/	APPLICANT: Goddard, Audrey	
/	APPLICANT: Godowski, Paul J.	
/	APPLICANT: Grimaldi, J. Christopher	
/	APPLICANT: Gurney, Austin L.	
/	APPLICANT: Kljavin, Ivar J.	
/	APPLICANT: Napier, Mary A.	
/	APPLICANT: Pan, James	
/	APPLICANT: Paoni, Nicholas F.	
/	APPLICANT: Roy, Margaret Ann	
/	APPLICANT: Stewart, Timothy A.	
/	APPLICANT: Tumas, Daniel	
/	APPLICANT: Watanabe, Colin K.	
/	APPLICANT: Williams, P. Mickey	
/	APPLICANT: Wood, William I.	
/	APPLICANT: Zhang, Zenin	
/	TITLE OF INVENTION: Secreted and Transmitted	
/	TITLE OF INVENTION: Acids Encoding the S	
/	FILE REFERENCE: P2730P1C31	
/	CURRENT APPLICATION NUMBER: US/09/997,440	
/	CURRENT FILING DATE: 2001-11-15	
/	PRIOR APPLICATION NUMBER: 60/049787	
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;	PRIOR APPLICATION NUMBER:	60/088029
;	PRIOR FILING DATE:	1998-06-04
;	PRIOR APPLICATION NUMBER:	60/088030
;	PRIOR FILING DATE:	1998-06-04
;	PRIOR APPLICATION NUMBER:	60/088033
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;	PRIOR FILING DATE:	1998-06-05
;	PRIOR APPLICATION NUMBER:	60/088202
;	PRIOR FILING DATE:	1998-06-05
;	PRIOR APPLICATION NUMBER:	60/088212
;	PRIOR FILING DATE:	1998-06-05
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;	PRIOR FILING DATE:	1998-06-05
;	PRIOR APPLICATION NUMBER:	60/088655
;	PRIOR FILING DATE:	1998-06-09
;	PRIOR APPLICATION NUMBER:	60/088734
;	PRIOR FILING DATE:	1998-06-10
;	PRIOR APPLICATION NUMBER:	60/088738
;	PRIOR FILING DATE:	1998-06-10
;	PRIOR APPLICATION NUMBER:	60/088742
;	PRIOR FILING DATE:	1998-06-10
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;	PRIOR APPLICATION NUMBER:	60/088926
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;	PRIOR FILING DATE:	1998-06-11
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;	PRIOR FILING DATE:	1998-06-17

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36	PRIOR FILING DATE: 1998-06-24	36
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38	PRIOR FILING DATE: 1998-06-24	38
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59	PRIOR APPLICATION NUMBER: 60/090696	59
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63	PRIOR APPLICATION NUMBER: 60/090863	63
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66	PRIOR FILING DATE: 1998-07-01	66
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68	PRIOR FILING DATE: 1998-07-02	68
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70	PRIOR FILING DATE: 1998-07-01	70
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; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
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; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      20 AVITGACRDVOCGAGTCATSLWLRLMCTPLRGEGEECHPGSHKVPFRKRKHHTCP 79
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QY      61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
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Db      80 CLPNLLCSRFDPGRYRCSDMLKNINF 105
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RESULT 76
US-09-990-440-371
; Sequence 371, Application US/09990440
; Publication No. US20030060407A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P27301C21
; CURRENT APPLICATION NUMBER: US/09/990,440
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
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; PRIOR FILING DATE: 1997-11-12
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; PRIOR APPLICATION NUMBER: 60/066770
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; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
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18	PRIOR APPLICATION NUMBER: 60/090246	
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66	PRIOR APPLICATION NUMBER: 60/091478	
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; PRIOR FILING DATE: 1998-07-09

Query Match          100.0%   Score 86;
Best Local Similarity 100.0%; Pred. No.
Matches 86; Conservative 0; Mismatches

Qy 1 AVITGACERDVQCGAGTCCATSLWLRLGLRMM
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Db 20 AVITGACERDVQCGAGTCCATSLWLRLGLRMM

Qy 61 CLPNLLCSRFDPGRYCRSMDLKKNINF 86
    |||||
Db 80 CLPNLLCSRFDPGRYCRSMDLKKNINF 105

RESULT 77
US-997-857-371
; Sequence 371, Application US/09977857
; Publication No. US20030064375A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane
; FILE OF INVENTION: Acids Encoding the S
; FILE REFERENCE: P2730P143
; CURRENT APPLICATION NUMBER: US/09/997,857
; CURRENT FILING DATE: 2001-11-15
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; PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
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; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600

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18	PRIOR APPLICATION NUMBER: 60/088028	
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7	PRIOR APPLICATION NUMBER: 60/089908
8	PRIOR FILING DATE: 1998-06-18
9	PRIOR APPLICATION NUMBER: 60/089947
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11	PRIOR APPLICATION NUMBER: 60/089948
12	PRIOR FILING DATE: 1998-06-19
13	PRIOR APPLICATION NUMBER: 60/089952
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15	PRIOR APPLICATION NUMBER: 60/090246
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25	PRIOR APPLICATION NUMBER: 60/090435
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27	PRIOR APPLICATION NUMBER: 60/090444
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57	PRIOR APPLICATION NUMBER: 60/091544
58	PRIOR FILING DATE: 1998-07-01
59	PRIOR APPLICATION NUMBER: 60/091519
60	PRIOR FILING DATE: 1998-07-02
61	PRIOR APPLICATION NUMBER: 60/091626
62	PRIOR FILING DATE: 1998-07-02
63	PRIOR APPLICATION NUMBER: 60/091633
64	PRIOR FILING DATE: 1998-07-02
65	PRIOR APPLICATION NUMBER: 60/091978

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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match          100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred.No. 3.6e-82; Indels 0; Gaps 0;
Matches 86; Conservative 0; Mismatches 0;

QY 1 AVITGACERDVCGAGTCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFFRKXHTCP 60
Db 20 AVITGACERDVCGAGTCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFFRKXHTCP 79

QY 61 CLPNLLCSFPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSFPDGRYRCSMDLKNINF 105

RESULT 78
US-09-993-469-371
; Sequence 371, Application US/09993469
; Publication No. US20030068623A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C5
; CURRENT APPLICATION NUMBER: US/09/993,469
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07

; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82; Indels 0; Gaps 0;
Matches 86; Conservative 0; Mismatches 0

Qy 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGEECHPGSHKVPFFFRKRKHTTCP 60
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Db 20 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGEECHPGSHKVPFFFRKRKHTTCP 79
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Qy 61 CLPNLLCSRFPDGRYRCMDLKNINF 86
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Db 80 CLPNLLCSRFPDGRYRCMDLKNINF 105
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RESULT 79
US-09-997-542-371
; Sequence 371, Application US/09997542
; Publication No. US20030068647A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C26
; CURRENT APPLICATION NUMBER: US/09/997,542
; CURRENT FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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5	PRIOR APPLICATION NUMBER: 60/089948
6	PRIOR FILING DATE: 1998-06-19
7	PRIOR APPLICATION NUMBER: 60/089952
8	PRIOR FILING DATE: 1998-06-19
9	PRIOR APPLICATION NUMBER: 60/090246
10	PRIOR FILING DATE: 1998-06-22
11	PRIOR APPLICATION NUMBER: 60/090252
12	PRIOR FILING DATE: 1998-06-22
13	PRIOR APPLICATION NUMBER: 60/090254
14	PRIOR FILING DATE: 1998-06-22
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17	PRIOR APPLICATION NUMBER: 60/090355
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21	PRIOR APPLICATION NUMBER: 60/090431
22	PRIOR FILING DATE: 1998-06-24
23	PRIOR APPLICATION NUMBER: 60/090435
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25	PRIOR APPLICATION NUMBER: 60/090444
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27	PRIOR APPLICATION NUMBER: 60/090445
28	PRIOR FILING DATE: 1998-06-24
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32	PRIOR FILING DATE: 1998-06-24
33	PRIOR APPLICATION NUMBER: 60/090540
34	PRIOR FILING DATE: 1998-06-24
35	PRIOR APPLICATION NUMBER: 60/090542
36	PRIOR FILING DATE: 1998-06-24
37	PRIOR APPLICATION NUMBER: 60/090557
38	PRIOR FILING DATE: 1998-06-24
39	PRIOR APPLICATION NUMBER: 60/090676
40	PRIOR FILING DATE: 1998-06-25
41	PRIOR APPLICATION NUMBER: 60/090678
42	PRIOR FILING DATE: 1998-06-25
43	PRIOR APPLICATION NUMBER: 60/090690
44	PRIOR FILING DATE: 1998-06-25
45	PRIOR APPLICATION NUMBER: 60/090694
46	PRIOR FILING DATE: 1998-06-25
47	PRIOR APPLICATION NUMBER: 60/090695
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49	PRIOR APPLICATION NUMBER: 60/090696
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52	PRIOR FILING DATE: 1998-07-02
53	PRIOR APPLICATION NUMBER: 60/091544
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59	PRIOR APPLICATION NUMBER: 60/091633
60	PRIOR FILING DATE: 1998-07-02
61	PRIOR APPLICATION NUMBER: 60/091978
62	PRIOR FILING DATE: 1998-07-07
63	PRIOR APPLICATION NUMBER: 60/091982
64	PRIOR FILING DATE: 1998-07-07
65	PRIOR APPLICATION NUMBER: 60/092182
66	PRIOR FILING DATE: 1998-07-09


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Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVOCGAGTCCATSLWLRGLRMCTPLGRBGECHPGSHKVPFFRKHKHTCP 60
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DB 20 AVITGACRDVOCGAGTCCATSLWLRGLRMCTPLGRBGECHPGSHKVPFFRKHKHTCP 79
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QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
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DB 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 80
US-09-993-748-371
; Sequence 371, Application US/09993748
; Publication No. US20030069403A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC23
; CURRENT APPLICATION NUMBER: US/09/993,748
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
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; PRIOR APPLICATION NUMBER: 60/091626
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; PRIOR APPLICATION NUMBER: 60/091633
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCALSILWIRGLRMCTPLRGEGECHPGSHKVPFFRKRKHHTCP 60
DB 20 AVITGACERDVQCGAGTCCALSILWIRGLRMCTPLRGEGECHPGSHKVPFFRKRKHHTCP 79
QY 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 81

US-09-990-439-371
; Sequence 371, Application US/09990439
; Publication No. US20030073090A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C52
; CURRENT APPLICATION NUMBER: US/09/990.439
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
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; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
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; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087607
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; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088021

1 PRIOR FILING DATE: 1998-06-04
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73 PRIOR FILING DATE: 1998-06-19

74 PRIOR APPLICATION NUMBER: 60/089952
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79 PRIOR FILING DATE: 1998-06-22
80 PRIOR APPLICATION NUMBER: 60/090254
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91 PRIOR FILING DATE: 1998-06-24
92 PRIOR APPLICATION NUMBER: 60/090444
93 PRIOR FILING DATE: 1998-06-24
94 PRIOR APPLICATION NUMBER: 60/090445
95 PRIOR FILING DATE: 1998-06-24
96 PRIOR APPLICATION NUMBER: 60/090472
97 PRIOR FILING DATE: 1998-06-24
98 PRIOR APPLICATION NUMBER: 60/090535
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100 PRIOR APPLICATION NUMBER: 60/090540
101 PRIOR FILING DATE: 1998-06-24
102 PRIOR APPLICATION NUMBER: 60/090542
103 PRIOR FILING DATE: 1998-06-24
104 PRIOR APPLICATION NUMBER: 60/090557
105 PRIOR FILING DATE: 1998-06-24
106 PRIOR APPLICATION NUMBER: 60/090676
107 PRIOR FILING DATE: 1998-06-25
108 PRIOR APPLICATION NUMBER: 60/090678
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119 PRIOR FILING DATE: 1998-06-26
120 PRIOR APPLICATION NUMBER: 60/090863
121 PRIOR FILING DATE: 1998-06-26
122 PRIOR APPLICATION NUMBER: 60/091360
123 PRIOR FILING DATE: 1998-07-01
124 PRIOR APPLICATION NUMBER: 60/091478
125 PRIOR FILING DATE: 1998-07-02
126 PRIOR APPLICATION NUMBER: 60/091544
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129 PRIOR FILING DATE: 1998-07-02
130 PRIOR APPLICATION NUMBER: 60/091626
131 PRIOR FILING DATE: 1998-07-02
132 PRIOR APPLICATION NUMBER: 60/091633
133 PRIOR FILING DATE: 1998-07-02
134 PRIOR APPLICATION NUMBER: 60/091978
135 PRIOR FILING DATE: 1998-07-07
136 PRIOR APPLICATION NUMBER: 60/091982
137 PRIOR FILING DATE: 1998-07-07
138 PRIOR APPLICATION NUMBER: 60/092182
139 PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3 6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AVITGACERDVQCGAGTCCAISLWLRGRLMCTPLGREGECHPGSHKVPFRKRHTCP 60
|||||

Db 20 AVITGACERDVOCGAGTCAISLWLRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
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Db 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 82

US-09-990-427-371

; Sequence 371, Application US/09990427

; Publication No. US20030073809A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; TITLE OF INVENTION: Acids Encoding the Same

; FILE REFERENCE: P2730PIC10

; CURRENT APPLICATION NUMBER: US/09/990,427

; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

; PRIOR FILING DATE: 1997-11-13

; PRIOR APPLICATION NUMBER: 60/066770

; PRIOR FILING DATE: 1997-11-24

; PRIOR APPLICATION NUMBER: 60/075945

; PRIOR FILING DATE: 1998-02-25

; PRIOR APPLICATION NUMBER: 60/078910

; PRIOR FILING DATE: 1998-03-20

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; PRIOR FILING DATE: 1998-05-07

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; PRIOR FILING DATE: 1998-06-03

; PRIOR APPLICATION NUMBER: 60/088021

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; PRIOR FILING DATE: 1998-06-05

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; PRIOR APPLICATION NUMBER: 60/088655

; PRIOR FILING DATE: 1998-06-09

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; PRIOR APPLICATION NUMBER: 60/088858

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;; PRIOR FILING DATE: 1998-06-23
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;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCCTPLGREGECHPGSHKVPFFPRKRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRGLRMCCTPLGREGECHPGSHKVPFFPRKRKHTCP 79
Qy 61 CLPNLLCSRFDPGRYRCMDLKNINF 86

Db 80 CLPNLLCSRFDPGRYRCMDLKNINF 105
RESULT 83
US-09-989-328-371
; Sequence 371, Application US/09989328
; Publication No. US20030077593A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC54
; CURRENT APPLICATION NUMBER: US/09/989,328
; CURRENT FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
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; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 532
; SEQ ID NO 371
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-989-328-371

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCCTPLGREGECHPGSHKVPFFPRKRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRGLRMCCTPLGREGECHPGSHKVPFFPRKRKHTCP 79
Qy

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; PRIOR FILING DATE: 1998-06-23
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCALSMLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60

Db 20 AVITGACERDVQCGAGTCCALSMLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 79

QY 61 CLPNLLCSRFDPGRYCSMDLKNINF 86

Db 80 CLPNLLCSRFDPGRYCSMDLKNINF 105

RESULT 86

US-09-992-521-371
; Sequence 371, Application US/09992521
; Publication No. US20030083461A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P16
; CURRENT APPLICATION NUMBER: US/09/992,521
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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; PRIORITY APPLICATION NUMBER: 60/091982
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; PRIORITY APPLICATION NUMBER: 60/092182
; PRIORITY FILING DATE: 1998-07-09

Query Match      100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACRDVOCGAGTCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFPKRKXHTCP 60
Db 20 AVITGACRDVOCGAGTCAISLWLRGLRMCTPLGREGEECHPGSHKVPFFPKRKXHTCP 79
Qy 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 87
US-09-997-333-371
; Sequence 371, Application US/09997333
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; Publication No. US20030087304A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
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; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C27
; CURRENT APPLICATION NUMBER: US/09/997,333
; CURRENT FILING DATE: 2001-11-15
; PRIORITY APPLICATION NUMBER: 60/049787
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108 ; PRIOR FILING DATE: 1998-06-26
109 ; PRIOR APPLICATION NUMBER: 60/091360
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111 ; PRIOR APPLICATION NUMBER: 60/091478
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117 ; PRIOR APPLICATION NUMBER: 60/091626
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119 ; PRIOR APPLICATION NUMBER: 60/091633
120 ; PRIOR FILING DATE: 1998-07-02
121 ; PRIOR APPLICATION NUMBER: 60/091978
122 ; PRIOR FILING DATE: 1998-07-07
123 ; PRIOR APPLICATION NUMBER: 60/091982
124 ; PRIOR FILING DATE: 1998-07-07
125 ; PRIOR APPLICATION NUMBER: 60/092182
126 ; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred.No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCAISLWLRGIRMCITPLRGEGEECHPGSHKVPFFRKHKHTCP 60
Db 20 AVITGACERDVQCGAGTCCAISLWLRGIRMCITPLRGEGEECHPGSHKVPFFRKHKHTCP 79
Qy 61 CLPNLLCSRFPDGRYRCMDLNINF 86
Db 80 CLPNLLCSRFPDGRYRCMDLNINF 105

RESULT 88

US-09-957-384-371
; Sequence 371, Application US/09997384
; Publication No. US20030087305A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.

APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC35
CURRENT APPLICATION NUMBER: US/09/997,384
CURRENT FILING DATE: 2001-11-15
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Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACRDVQCGAGTCCTCALSMLRGLRMCTPLGREGECHPGSHKVPFFPKRKHHTCP 60

Db 20 AVITGACRDVQCGAGTCCTCALSMLRGLRMCTPLGREGECHPGSHKVPFFPKRKHHTCP 79

Qy 61 CLPNLLCSRFDPDGRYRCSDMLKNINF 86

Db 80 CLPNLLCSRFDPDGRYRCSDMLKNINF 105

RESULT 89

US-09-998-041-371

; Sequence 371, Application US/09998041

; Publication No. US20030119001a1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

;; APPLICANT: Eaton, Dan L.
;; APPLICANT: Ferrara, Napoleone
;; APPLICANT: Fong, Sherman
;; APPLICANT: Gerber, Hanspeter
;; APPLICANT: Gerritsen, Mary E.
;; APPLICANT: Goddard, Audrey
;; APPLICANT: Godowski, Paul J.
;; APPLICANT: Grimaldi, J. Christopher
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Kljavin, Ivar J.
;; APPLICANT: Napier, Mary A.
;; APPLICANT: Pan, James
;; APPLICANT: Paoni, Nicholas F.
;; APPLICANT: Roy, Margaret Ann
;; APPLICANT: Stewart, Timothy A.
;; APPLICANT: Tumas, Daniel
;; APPLICANT: Watanabe, Colin K.
;; APPLICANT: Williams, P. Mickey
;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C34
;; CURRENT APPLICATION NUMBER: US/09/998,041
;; CURRENT FILING DATE: 2001-11-15
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APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C41
CURRENT APPLICATION NUMBER: US/09/997,585
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: 60/049787
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Query Match          100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 61 CLPNLLCSRFDPGRYRCSMDLNINF 86
Db 80 CLPNLLCSRFDPGRYRCSMDLNINF 105

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; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C29
; CURRENT APPLICATION NUMBER: US/09/997,614
; CURRENT FILING DATE: 2001-11-15
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; PRIOR APPLICATION NUMBER: 60/090540
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090542
; PRIOR FILING DATE: 1998-06-24
; PRIOR APPLICATION NUMBER: 60/090557
; PRIOR FILING DATE: 1998-06-24
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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECHPGSKVPPFRKXKHTCP 60
Db 20 AVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLGREGECHPGSKVPPFRKXKHTCP 79
Qy 61 CLPNLLCSRPDGRYRCMDLKNINF 86
Db 80 CLPNLLCSRPDGRYRCMDLKNINF 105

RESULT 92
US-09-989-862-371
; Sequence 371, Application US/09989862
; Publication No. US20030130182A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.

APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC58
CURRENT APPLICATION NUMBER: US/09/989,862
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
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PRIOR FILING DATE: 1998-02-25
PRIOR APPLICATION NUMBER: 60/078910
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/083322
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PRIOR APPLICATION NUMBER: 60/087106
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PRIOR APPLICATION NUMBER: 60/087607
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
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PRIOR APPLICATION NUMBER: 60/088655
PRIOR FILING DATE: 1998-06-09
PRIOR APPLICATION NUMBER: 60/088734
PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088738

PRIOR FILING DATE: 1998-06-10
PRIOR APPLICATION NUMBER: 60/088742
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PRIOR FILING DATE: 1998-06-24
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PRIOR FILING DATE: 1998-06-24

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;; PRIOR APPLICATION NUMBER: 60/090557
;; PRIOR FILING DATE: 1998-06-24
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;; PRIOR FILING DATE: 1998-06-25
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;; PRIOR APPLICATION NUMBER: 60/090862
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;; PRIOR APPLICATION NUMBER: 60/090863
;; PRIOR FILING DATE: 1998-06-26
;; PRIOR APPLICATION NUMBER: 60/091360
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091544
;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
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;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.6e-82; Mismatches 0; Indels 0; Gaps 0;
Matches 86; Conservative 0;

Qy 1 AVITGACERDVQCGAGTCACISLMLGLRMCTPLGREGECHPGSHKVPFRKKHHTCP 60

Db 20 AVITGACERDVQCGAGTCACISLMLGLRMCTPLGREGECHPGSHKVPFRKKHHTCP 79

Qy 61 CLPNLLCSRFDPDGYRCSMDLKNINF 86

Db 80 CLPNLLCSRFDPDGYRCSMDLKNINF 105

RESULT 93

US-09-997-529-371

; Sequence 371, Application US/09997529

; Publication No. US20030134284A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC33
; CURRENT APPLICATION NUMBER: US/09/997,529
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/083322
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; PRIOR FILING DATE: 1998-05-07
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; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088734
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088742
; PRIOR FILING DATE: 1998-06-10

APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC71
CURRENT FILING DATE: 2001-11-20
CURRENT APPLICATION NUMBER: US/09/989,725
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
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PRIOR FILING DATE: 1998-06-02
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PRIOR FILING DATE: 1998-06-03
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PRIOR FILING DATE: 1998-06-04
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PRIOR APPLICATION NUMBER: 60/088810
PRIOR FILING DATE: 1998-06-10
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PRIOR FILING DATE: 1998-06-10
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PRIOR APPLICATION NUMBER: 60/089105
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PRIOR FILING DATE: 1998-06-17
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PRIOR FILING DATE: 1998-06-17
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PRIOR FILING DATE: 1998-06-24
PRIOR APPLICATION NUMBER: 60/090676
PRIOR FILING DATE: 1998-06-25

;; PRIOR APPLICATION NUMBER: 60/090678
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090690
;; PRIOR FILING DATE: 1998-06-25
;; PRIOR APPLICATION NUMBER: 60/090694
;; PRIOR FILING DATE: 1998-06-25
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;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091478
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;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCATSLWLRLMCTPLRGEGEECHPGSHKVPFFRKRRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRLMCTPLRGEGEECHPGSHKVPFFRKRRKHTCP 79
Qy 61 CLPNLLCSRFPDGRYRCMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 95
US-09-991-150-371
; Sequence 371, Application US/09991150
; Publication No. US20030194760A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey

;; APPLICANT: Wood, William I.
;; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C48
;; CURRENT APPLICATION NUMBER: US/09/991,150
;; CURRENT FILING DATE: 2001-11-16
;; Prior Application removed - See File Wrapper or Palm
;; NUMBER OF SEQ ID NOS: 532
;; SEQ ID NO 371
;; LENGTH: 105
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-991-150-371

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AVITGACERDVQCGAGTCCATSLWLRLMCTPLRGEGEECHPGSHKVPFFRKRRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRLMCTPLRGEGEECHPGSHKVPFFRKRRKHTCP 79
Qy 61 CLPNLLCSRFPDGRYRCMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCMDLKNINF 105

RESULT 96
US-09-997-641-371
; Sequence 371, Application US/09997641
; Publication No. US20030224358A1
; GENERAL INFORMATION:

;; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
;; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
;; FILE REFERENCE: P2730P1C39
;; CURRENT APPLICATION NUMBER: US/09/997,641
;; CURRENT FILING DATE: 2001-11-15
;; PRIOR APPLICATION NUMBER: 60/043787
;; PRIOR FILING DATE: 1997-06-16
;; PRIOR APPLICATION NUMBER: 60/062250
;; PRIOR FILING DATE: 1997-10-17
;; PRIOR APPLICATION NUMBER: 60/065186
;; PRIOR FILING DATE: 1997-11-12
;; PRIOR APPLICATION NUMBER: 60/065311
;; PRIOR FILING DATE: 1997-11-13
;; PRIOR APPLICATION NUMBER: 60/066770
;; PRIOR FILING DATE: 1997-11-24
;; PRIOR APPLICATION NUMBER: 60/075945

1 PRIOR FILING DATE: 1998-02-25
2 PRIOR APPLICATION NUMBER: 60/078910
3 PRIOR FILING DATE: 1998-03-20
4 PRIOR APPLICATION NUMBER: 60/083322
5 PRIOR FILING DATE: 1998-04-28
6 PRIOR APPLICATION NUMBER: 60/084600
7 PRIOR FILING DATE: 1998-05-07
8 PRIOR APPLICATION NUMBER: 60/087106
9 PRIOR FILING DATE: 1998-05-28
10 PRIOR APPLICATION NUMBER: 60/087607
11 PRIOR FILING DATE: 1998-06-02
12 PRIOR APPLICATION NUMBER: 60/087609
13 PRIOR FILING DATE: 1998-06-02
14 PRIOR APPLICATION NUMBER: 60/087759
15 PRIOR FILING DATE: 1998-06-02
16 PRIOR APPLICATION NUMBER: 60/087827
17 PRIOR FILING DATE: 1998-06-03
18 PRIOR APPLICATION NUMBER: 60/088021
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20 PRIOR APPLICATION NUMBER: 60/088025
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29 PRIOR FILING DATE: 1998-06-04
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44 PRIOR APPLICATION NUMBER: 60/088734
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46 PRIOR APPLICATION NUMBER: 60/088738
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48 PRIOR APPLICATION NUMBER: 60/088742
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50 PRIOR APPLICATION NUMBER: 60/088810
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92 PRIOR APPLICATION NUMBER: 60/089952
93 PRIOR FILING DATE: 1998-06-19
94 PRIOR APPLICATION NUMBER: 60/090246
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101 PRIOR FILING DATE: 1998-06-23
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103 PRIOR FILING DATE: 1998-06-23
104 PRIOR APPLICATION NUMBER: 60/090429
105 PRIOR FILING DATE: 1998-06-24
106 PRIOR APPLICATION NUMBER: 60/090431
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108 PRIOR APPLICATION NUMBER: 60/090435
109 PRIOR FILING DATE: 1998-06-24
110 PRIOR APPLICATION NUMBER: 60/090444
111 PRIOR FILING DATE: 1998-06-24
112 PRIOR APPLICATION NUMBER: 60/090445
113 PRIOR FILING DATE: 1998-06-24
114 PRIOR APPLICATION NUMBER: 60/090472
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116 PRIOR APPLICATION NUMBER: 60/090535
117 PRIOR FILING DATE: 1998-06-24
118 PRIOR APPLICATION NUMBER: 60/090540
119 PRIOR FILING DATE: 1998-06-24
120 PRIOR APPLICATION NUMBER: 60/090542
121 PRIOR FILING DATE: 1998-06-24
122 PRIOR APPLICATION NUMBER: 60/090557
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124 PRIOR APPLICATION NUMBER: 60/090676
125 PRIOR FILING DATE: 1998-06-25
126 PRIOR APPLICATION NUMBER: 60/090678
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128 PRIOR APPLICATION NUMBER: 60/090690
129 PRIOR FILING DATE: 1998-06-25
130 PRIOR APPLICATION NUMBER: 60/090694
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133 PRIOR FILING DATE: 1998-06-25
134 PRIOR APPLICATION NUMBER: 60/090696
135 PRIOR FILING DATE: 1998-06-25
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139 PRIOR FILING DATE: 1998-06-26
140 PRIOR APPLICATION NUMBER: 60/091360
141 PRIOR FILING DATE: 1998-07-01
142 PRIOR APPLICATION NUMBER: 60/091478
143 PRIOR FILING DATE: 1998-07-02
144 PRIOR APPLICATION NUMBER: 60/091544
145 PRIOR FILING DATE: 1998-07-01
146 PRIOR APPLICATION NUMBER: 60/091519

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; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 79
QY 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 97
US-09-989-733-371
; Sequence 371, Application US/09989733
; Publication No. US20030228655A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC68
; CURRENT FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
; PRIOR APPLICATION NUMBER: 60/078910
; PRIOR FILING DATE: 1998-03-20
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; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/084600
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/087106
; PRIOR FILING DATE: 1998-05-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 532
; SEQ ID NO 371
; LENGTH: 105
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-989-733-371

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Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 79
QY 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 98
US-09-992-643-371
; Sequence 371, Application US/09992643
; Publication No. US20030228656A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC13
; CURRENT FILING DATE: 2001-11-01
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
; PRIOR FILING DATE: 1998-02-25
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;; PRIOR APPLICATION NUMBER: 60/078910
;; PRIOR FILING DATE: 1998-03-20
;; PRIOR APPLICATION NUMBER: 60/083322
;; PRIOR FILING DATE: 1998-04-28
;; PRIOR APPLICATION NUMBER: 60/084600
;; PRIOR FILING DATE: 1998-05-07
;; PRIOR APPLICATION NUMBER: 60/087106
;; PRIOR FILING DATE: 1998-05-28
;; Remaining Prior Application data removed - See File Wrapper or PALM.
;; NUMBER OF SEQ ID NOS: 532
;; SEQ ID NO 371
;; LENGTH: 105
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-09-992-643-371

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP 79
Qy 61 CLPNLLCSRFPDGRYCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYCSMDLKNINF 105

RESULT 99
US-09-969-984-11
;; Sequence 11, Application US/09969984
;; Publication No. US20040048244A1
;; GENERAL INFORMATION:
;; APPLICANT: INCYTE GENOMICS, INC.
;; APPLICANT: TANG, Y. Tom
;; APPLICANT: YUE, Henry
;; APPLICANT: LAL, Preeti
;; APPLICANT: BURFORD, Neil
;; APPLICANT: BANDMAN, Olga
;; APPLICANT: BAUGHN, Mariah R.
;; APPLICANT: AZIMZAI, Yalda
;; APPLICANT: LU, Dyung Aina M.
;; APPLICANT: PATTERSON, Chandra
;; TITLE OF INVENTION: EXTRACELLULAR SIGNALING MOLECULES
;; FILE REFERENCE: PF-0701-1 USA
;; CURRENT APPLICATION NUMBER: US/09/969,984
;; CURRENT FILING DATE: 2001-10-02
;; PRIOR APPLICATION NUMBER: 60/134,949; 60/144,270; 60/146,700; 60/157,508
;; PRIOR FILING DATE: 1999-05-19; 1999-07-15; 1999-07-30; 1999-10-04
;; NUMBER OF SEQ ID NOS: 55
;; SOFTWARE: PERL Program
;; SEQ ID NO 11
;; LENGTH: 105
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; NAME/KEY: misc feature
;; OTHER INFORMATION: Incyte ID No. US20040048244A1 2006548CD1
US-09-969-984-11

Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP.60
Db 20 AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP 79
Qy 61 CLPNLLCSRFPDGRYCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYCSMDLKNINF 105

RESULT 100
US-10-016-481-2
;; Sequence 2, Application US/10016481
;; Publication No. US20020115610A1
;; GENERAL INFORMATION:
;; APPLICANT: Zhou, Qun-Yong
;; APPLICANT: Ehler, Frederick
;; TITLE OF INVENTION: Prokineticin Polypeptides, Related
;; TITLE OF INVENTION: Compositions and Methods
;; FILE REFERENCE: P-UC 5016
;; CURRENT APPLICATION NUMBER: US/10/016,481
;; CURRENT FILING DATE: 2001-11-01
;; PRIOR APPLICATION NUMBER: 60/245,882
;; PRIOR FILING DATE: 2000-11-03
;; NUMBER OF SEQ ID NOS: 19
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 2
;; LENGTH: 105
;; TYPE: PRT
;; ORGANISM: Homo sapiens
US-10-016-481-2

Query Match 100.0%; Score 86; DB 4; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.6e-82;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP 60
Db 20 AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP 79
Qy 61 CLPNLLCSRFPDGRYCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYCSMDLKNINF 105

Search completed: April 18, 2006, 17:59:59
Job time : 177 secs

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GenCore version 5.1.7
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OM protein - protein search, using sw model

Run on: April 18, 2006, 17:43:46 ; Search time 190 Seconds
(without alignments)
198.877 Million cell updates/sec

Title: US-10-027-603-2_COPY_20_105

Perfect score: 86
Sequence: 1 AVITGACRDRVQCGAGTCCA.....CSRFPDGRYRCMDLKNINF 86

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 2443163 seqs, 439378781 residues

Word size : 1

Total number of hits satisfying chosen parameters: 2442881

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 500 summaries

Database :

A_Geneseq 21:*

- 1: Geneseqp1980s:*
- 2: Geneseqp1990s:*
- 3: Geneseqp2000s:*
- 4: Geneseqp2001s:*
- 5: Geneseqp2002s:*
- 6: Geneseqp2003as:*
- 7: Geneseqp2003bs:*
- 8: Geneseqp2004s:*
- 9: Geneseqp2005s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	86	100.0	86	5	ABJ05338 Human ZAQ
4	86	100.0	86	5	AAO15529 Human phy
5	86	100.0	86	5	ABJ06306 Human G p
6	86	100.0	86	5	AAE24383 Human pro
7	86	100.0	86	7	ADD69104 Human ZAQ
8	86	100.0	86	7	ADO05360 Human pro
9	86	100.0	86	8	ADR43256 Amino aci
10	86	100.0	86	8	ADR24003 Human ZAQ
11	86	100.0	86	8	ADS86471 Human ZAQ
12	86	100.0	86	8	ADS75494 Human pro
13	86	100.0	86	9	ADM00759 Amino aci
14	86	100.0	86	9	ADZ58575 Human ZAQ
15	86	100.0	86	9	AEB45594 Human Zve
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17	86	100.0	87	8	ADS75509 Prokineti
18	86	100.0	89	5	AAE24392 Human pro
19	86	100.0	89	8	ADS75506 Prokineti
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28	86	100.0	105	4	AAB48067 Human ext
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30	86	100.0	105	5	AAU83674 Human PRO
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33	86	100.0	105	5	ABJ06308 Human G p
34	86	100.0	105	5	AAE24382 Human pro
35	86	100.0	105	5	ABJ95508 Human ang
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37	86	100.0	105	5	ABU58083 Human PRO
38	86	100.0	105	6	ABU59161 Novel hum
39	86	100.0	105	6	ABU82673 Human sec
40	86	100.0	105	6	ABO17850 Novel hum
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44	86	100.0	105	6	ABU13974 Human PRO
45	86	100.0	105	6	ABU08800 Human end
46	86	100.0	105	6	ABU81104 Human PRO
47	86	100.0	105	6	ABU07603 Human ZVE
48	86	100.0	105	6	ABU72559 Novel hum
49	86	100.0	105	6	ABU66804 Human PRO
50	86	100.0	105	6	ABU59885 Novel sec
51	86	100.0	105	6	ABU59308 Human sec
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53	86	100.0	105	6	ABO25075 Human sec
54	86	100.0	105	6	ABU82130 Novel hum
55	86	100.0	105	6	ABU59014 Human sec
56	86	100.0	105	6	ABU92332 Novel hum
57	86	100.0	105	6	ABU59457 Novel hum
58	86	100.0	105	6	ABU67080 Human sec
59	86	100.0	105	6	ABU92223 Novel hum
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62	86	100.0	105	6	ABU88620 Human sec
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66	86	100.0	105	6	ABJ72310 Human PRO
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68	86	100.0	105	6	ADA61693 Homo sapi
69	86	100.0	105	6	ADB19478 Novel hum
70	86	100.0	105	6	ADB28019 Human PRO
71	86	100.0	105	6	ADA86498 Novel hum
72	86	100.0	105	6	ADB16062 Human PRO
73	86	100.0	105	6	ADA37882 Human sec
74	86	100.0	105	6	ADA47848 Human PRO
75	86	100.0	105	6	ADA21568 Human sec
76	86	100.0	105	6	ADA10355 Human sec
77	86	100.0	105	6	ADA67643 Human PRO
78	86	100.0	105	6	ADB30650 Human PRO
79	86	100.0	105	6	ADA85946 Novel hum
80	86	100.0	105	6	ADA17899 Human PRO
81	86	100.0	105	6	ADA97158 Human PRO
82	86	100.0	105	6	ADA79462 Human PRO
83	86	100.0	105	6	ADA87601 Novel hum
84	86	100.0	105	6	ADB16803 Human PRO
85	86	100.0	105	6	ADA28007 Human sec
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87	86	100.0	105	6	ADB14958 Human PRO
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89	86	100.0	105	6	ADA94134 Human PRO
90	86	100.0	105	6	ADB20030 Novel hum
91	86	100.0	105	6	ADB13342 Human PRO
92	86	100.0	105	6	ABO43383 Novel hum
93	86	100.0	105	6	ADA94587 Human sec
94	86	100.0	105	6	ADA74596 Human PRO
95	86	100.0	105	6	ADB24829 Human PRO
96	86	100.0	105	6	ADA82353 Human PRO
97	86	100.0	105	6	ADA75316 Human PRO

98	86	100.0	105	6	ADAB5394	Ada85394 Novel hum	171	86	100.0	105	7	ADC56504	Adc56504 Human PRO
99	86	100.0	105	6	ADAB4842	Ada4842 Novel hum	172	86	100.0	105	7	ADC07559	Adc07559 Human sec
100	86	100.0	105	6	ADAB30098	Adb30098 Human PRO	173	86	100.0	105	7	ADCI1549	Adc11549 Human sec
101	86	100.0	105	6	ADAB0626	Ada0626 Human PRO	174	86	100.0	105	7	ADC36895	Adc36895 Human PRO
102	86	100.0	105	6	ADAB75868	Ada75868 Human PRO	175	86	100.0	105	7	ADC21885	Adc21885 Human PRO
103	86	100.0	105	6	ADAB38812	Ada38812 Human sec	176	86	100.0	105	7	ADC50511	Adc50511 Novel hum
104	86	100.0	105	6	ADAB47093	Ada47093 Human PRO	177	86	100.0	105	7	ADC72058	Adc72058 Novel hum
105	86	100.0	105	6	ADAB25389	Adb25389 Human PRO	178	86	100.0	105	7	ADC60037	Adc60037 Novel hum
106	86	100.0	105	6	ADAB93565	Ada93565 Human PRO	179	86	100.0	105	7	ADC49916	Adc49916 Novel hum
107	86	100.0	105	6	ADAB26915	Adb26915 Human PRO	180	86	100.0	105	7	ADC49115	Adc49115 Novel hum
108	86	100.0	105	6	ADAB31202	Adb31202 Human PRO	181	86	100.0	105	7	ADC49632	Adc49632 Novel hum
109	86	100.0	105	6	ABJ72438	Abj72438 Human PRO	182	86	100.0	105	7	ADC47493	Adc47493 Novel hum
110	86	100.0	105	6	ADAB92933	Ada92933 Human sec	183	86	100.0	105	7	ADC53044	Adc53044 Novel hum
111	86	100.0	105	6	ADAB61130	Ada61130 Homo sapi	184	86	100.0	105	7	ADC57398	Adc57398 Novel hum
112	86	100.0	105	6	ADAB24277	Adb24277 Human PRO	185	86	100.0	105	7	ADC60589	Adc60589 Novel hum
113	86	100.0	105	6	ADAB96606	Ada96606 Human PRO	186	86	100.0	105	7	ADC51064	Adc51064 Novel hum
114	86	100.0	105	6	ADAB81178	Ada81178 Human PRO	187	86	100.0	105	7	ADC65591	Adc65591 Human PRO
115	86	100.0	105	6	ADAB96054	Ada96054 Human PRO	188	86	100.0	105	7	ADC54689	Adc54689 Novel hum
116	86	100.0	105	6	ADAB26363	Adb26363 Human PRO	189	86	100.0	105	7	ADC53650	Adc53650 Novel hum
117	86	100.0	105	6	ADAB21848	Adb21848 Novel hum	190	86	100.0	105	7	ADC59173	Adc59173 Novel hum
118	86	100.0	105	6	ABO34333	Abo34333 Human sec	191	86	100.0	105	7	ADC56051	Adc56051 Novel hum
119	86	100.0	105	7	ADA77627	Ada77627 Human PRO	192	86	100.0	105	7	ADC58621	Adc58621 Novel hum
120	86	100.0	105	7	ADAB18367	Adb18367 Human PRO	193	86	100.0	105	7	ADCI14671	Adc14671 Novel hum
121	86	100.0	105	7	ADAB87050	Ada87050 Novel hum	194	86	100.0	105	7	ADC47238	Adc47238 Novel hum
122	86	100.0	105	7	ADAB88153	Ada88153 Novel hum	195	86	100.0	105	7	ADD08203	Add08203 Novel hum
123	86	100.0	105	7	ADAB46541	Ada46541 Novel hum	196	86	100.0	105	7	ADD03295	Add03295 Novel hum
124	86	100.0	105	7	ADAB28571	Adb28571 Human PRO	197	86	100.0	105	7	ADC90287	Adc90287 Novel hum
125	86	100.0	105	7	ADAB29123	Adb29123 Human PRO	198	86	100.0	105	7	ADC82028	Adc82028 Human PRO
126	86	100.0	105	7	ABO53220	Abo53220 Human sec	199	86	100.0	105	7	ADC69706	Adc69706 Human PRO
127	86	100.0	105	7	ADAB77075	Ada77075 Human PRO	200	86	100.0	105	7	ADC48595	Adc48595 Human PRO
128	86	100.0	105	7	ADAB22494	Ada22494 Human sec	201	86	100.0	105	7	ADD10124	Add10124 Human PRO
129	86	100.0	105	7	ADAB88705	Ada88705 Novel hum	202	86	100.0	105	7	ADD07670	Add07670 Novel hum
130	86	100.0	105	7	ADA97710	Ada97710 Human PRO	203	86	100.0	105	7	ADC78113	Adc78113 Novel hum
131	86	100.0	105	7	ADAB27467	Adb27467 Human PRO	204	86	100.0	105	7	ADD04699	Add04699 Novel hum
132	86	100.0	105	7	ADAB22400	Adb22400 Novel hum	205	86	100.0	105	7	ADC82561	Adc82561 Human PRO
133	86	100.0	105	7	ABO22590	Abo22590 Human sec	206	86	100.0	105	7	ADD06348	Add06348 Novel hum
134	86	100.0	105	7	ADAB06660	Ada06660 Human sec	207	86	100.0	105	7	ADC80655	Adc80655 Novel hum
135	86	100.0	105	7	ABJ72140	Abj72140 Human mem	208	86	100.0	105	7	ADD11162	Add11162 Human PRO
136	86	100.0	105	7	ADAB39353	Ada39353 Human sec	209	86	100.0	105	7	ADD10461	Add10461 Human sec
137	86	100.0	105	7	ADAB67091	Ada67091 Human PRO	210	86	100.0	105	7	ADC48043	Adc48043 Human PRO
138	86	100.0	105	7	ADAB22952	Adb22952 Human PRO	211	86	100.0	105	7	ADD08741	Add08741 Novel hum
139	86	100.0	105	7	ADAB23725	Adb23725 Human PRO	212	86	100.0	105	7	ADC77867	Adc77867 Novel hum
140	86	100.0	105	7	ADA92447	Ada92447 Novel hum	213	86	100.0	105	7	ADC80103	Adc80103 Novel hum
141	86	100.0	105	7	ADAB15510	Adb15510 Human PRO	214	86	100.0	105	7	ADD06990	Add06990 Novel hum
142	86	100.0	105	7	ADBB83656	Adb83656 Novel hum	215	86	100.0	105	7	ADD11421	Add11421 Human sec
143	86	100.0	105	7	ADBB0762	Adb0762 Novel hum	216	86	100.0	105	7	ADD09572	Add09572 Human PRO
144	86	100.0	105	7	ADBB73303	Adb73303 Novel hum	217	86	100.0	105	7	ADC83237	Adc83237 Human PRO
145	86	100.0	105	7	ADBB38762	Adb38762 Novel hum	218	86	100.0	105	7	ADD50830	Add50830 Novel hum
146	86	100.0	105	7	ADBB96379	Adb96379 Human PRO	219	86	100.0	105	7	ADD41285	Add41285 Novel hum
147	86	100.0	105	7	ADBB78385	Adb78385 Novel hum	220	86	100.0	105	7	ADD52424	Add52424 Human PRO
148	86	100.0	105	7	ADBB38210	Adb38210 Novel hum	221	86	100.0	105	7	ADD51076	Add51076 Novel hum
149	86	100.0	105	7	ADBB66682	Adb66682 Novel hum	222	86	100.0	105	7	ADD53164	Add53164 Human PRO
150	86	100.0	105	7	ADBB85033	Adb85033 Human PRO	223	86	100.0	105	7	ADD53716	Add53716 Novel hum
151	86	100.0	105	7	ADBB89762	Adb89762 Human PRO	224	86	100.0	105	7	ADD55344	Add55344 Human PRO
152	86	100.0	105	7	ADBB90494	Adb90494 Human PRO	225	86	100.0	105	7	ADD69106	Add69106 Human ZAQ
153	86	100.0	105	7	ADBB39595	Adb39595 Novel hum	226	86	100.0	105	7	ADD37214	Add37214 Human sec
154	86	100.0	105	7	ADBB78139	Adb78139 Novel hum	227	86	100.0	105	7	ADD56302	Add56302 Human PRO
155	86	100.0	105	7	ADBB87205	Adb87205 Human PRO	228	86	100.0	105	7	ADD51872	Add51872 Human PRO
156	86	100.0	105	7	ADBB84787	Adb84787 Human PRO	229	86	100.0	105	7	ADD02671	Add02671 Human PRO
157	86	100.0	105	7	ADBB47218	Adb47218 Novel hum	230	86	100.0	105	7	ADD50557	Add50557 Human PRO
158	86	100.0	105	7	ADBB83902	Adb83902 Novel hum	231	86	100.0	105	7	ADD02105	Add02105 Human PRO
159	86	100.0	105	7	ADBB86825	Adb86825 Human PRO	232	86	100.0	105	7	ADD54287	Add54287 Novel hum
160	86	100.0	105	7	ADBB73057	Adb73057 Novel hum	233	86	100.0	105	7	ADD54740	Add54740 Human PRO
161	86	100.0	105	7	ADBB77430	Adb77430 Novel hum	234	86	100.0	105	7	ADD50311	Add50311 Human PRO
162	86	100.0	105	7	ADBB34587	Adb34587 Human PRO	235	86	100.0	105	7	ADD51322	Add51322 Novel hum
163	86	100.0	105	7	ADBB35691	Adb35691 Human PRO	236	86	100.0	105	7	ADD92604	Add92604 Human PRO
164	86	100.0	105	7	ADBB34035	Adb34035 Human PRO	237	86	100.0	105	7	ADD91500	Add91500 Human PRO
165	86	100.0	105	7	ADBB35139	Adb35139 Human PRO	238	86	100.0	105	7	ADB04114	Adb04114 Human PRO
166	86	100.0	105	7	ADBB36243	Adb36243 Human PRO	239	86	100.0	105	7	ADB26894	Adb26894 Novel hum
167	86	100.0	105	7	ADBB46638	Adb46638 Novel hum	240	86	100.0	105	7	ADB32411	Adb32411 Novel hum
168	86	100.0	105	7	ADCB57851	Adc57851 Human PRO	241	86	100.0	105	7	ADB22343	Adb22343 Human PRO
169	86	100.0	105	7	ADCB55215	Adc55215 Human PRO	242	86	100.0	105	7	ADB79567	Adb79567 Human PRO
170	86	100.0	105	7	ADCI12082	Adc12082 Human sec	243	86	100.0	105	7	ADB42103	Adb42103 Human PRO

244	86	100.0	105	7	AD17920	Human PRO	317	86	100.0	105	8	ADD87467	Human PRO
245	86	100.0	105	7	ADD92052	Human PRO	318	86	100.0	105	8	AD05146	Human PRO
246	86	100.0	105	7	AD833515	Novel hum	319	86	100.0	105	8	ADD75359	Human PRO
247	86	100.0	105	7	AD834067	Novel hum	320	86	100.0	105	8	ADD76903	Novel hum
248	86	100.0	105	7	AD880119	Human PRO	321	86	100.0	105	8	ADD86671	Novel hum
249	86	100.0	105	7	ADD93156	Human PRO	322	86	100.0	105	8	AD889333	Human PRO
250	86	100.0	105	7	AD819576	Human PRO	323	86	100.0	105	8	ADD78139	Novel hum
251	86	100.0	105	7	AD819024	Human PRO	324	86	100.0	105	8	AD818472	Novel hum
252	86	100.0	105	7	AD843320	Human PRO	325	86	100.0	105	8	AD888781	Human PRO
253	86	100.0	105	7	ADD96009	Human PRO	326	86	100.0	105	8	ADD77647	Novel hum
254	86	100.0	105	7	AD822895	Human PRO	327	86	100.0	105	8	ADD77893	Novel hum
255	86	100.0	105	7	AD8279013	Human PRO	328	86	100.0	105	8	ADD85351	Novel hum
256	86	100.0	105	7	AD826361	Novel hum	329	86	100.0	105	8	ADD73883	Human PRO
257	86	100.0	105	7	AD832963	Novel hum	330	86	100.0	105	8	ADD74621	Human PRO
258	86	100.0	105	7	AD842655	Human PRO	331	86	100.0	105	8	ADD77149	Novel hum
259	86	100.0	105	7	AD806071	Human PRO	332	86	100.0	105	8	ADD85843	Novel hum
260	86	100.0	105	7	AD889699	Human PRO	333	86	100.0	105	8	AD053392	Human PRO
261	86	100.0	105	7	AD840983	Human PRO	334	86	100.0	105	8	ADD74867	Human PRO
262	86	100.0	105	7	AD804782	Human PRO	335	86	100.0	105	8	AD894801	Human PRO
263	86	100.0	105	7	AD8592911	Human PRO	336	86	100.0	105	8	AD891212	Human PRO
264	86	100.0	105	7	AD867298	Human PRO	337	86	100.0	105	8	AD835497	Human PRO
265	86	100.0	105	7	AD828070	Human Zve	338	86	100.0	105	8	AD895353	Human PRO
266	86	100.0	105	7	AD821620	Novel hum	339	86	100.0	105	8	AD893463	Human PRO
267	86	100.0	105	7	AD823261	Novel hum	340	86	100.0	105	8	AD835044	Human PRO
268	86	100.0	105	7	AD897596	Human PRO	341	86	100.0	105	8	AD892359	Novel hum
269	86	100.0	105	7	ABG75089	Prokineti	342	86	100.0	105	8	AD890660	Human PRO
270	86	100.0	105	7	ABG75086	Human pro	343	86	100.0	105	8	AD891807	Novel hum
271	86	100.0	105	7	AD880660	Human PRO	344	86	100.0	105	8	AD811747	Human PRO
272	86	100.0	105	7	AD880108	Human PRO	345	86	100.0	105	8	AD805679	Novel hum
273	86	100.0	105	7	AD855400	Novel hum	346	86	100.0	105	8	AD827233	Human PRO
274	86	100.0	105	7	AD855952	Novel hum	347	86	100.0	105	8	AD802386	Human PRO
275	86	100.0	105	7	AD135552	Human PRO	348	86	100.0	105	8	AD822172	Novel hum
276	86	100.0	105	7	AD164171	Novel hum	349	86	100.0	105	8	AD820242	Human PRO
277	86	100.0	105	7	AD165120	Novel hum	350	86	100.0	105	8	AD898148	Human PRO
278	86	100.0	105	7	AD163619	Novel hum	351	86	100.0	105	8	AD824365	Novel hum
279	86	100.0	105	7	AD882033	Novel hum	352	86	100.0	105	8	AD898719	Human PRO
280	86	100.0	105	7	AD100045	Novel hum	353	86	100.0	105	8	AD803550	Human PRO
281	86	100.0	105	7	AD81481	Novel hum	354	86	100.0	105	8	AD899271	Human PRO
282	86	100.0	105	7	AD871810	Human hum	355	86	100.0	105	8	AD816856	Human PRO
283	86	100.0	105	7	AD882650	Novel hum	356	86	100.0	105	8	AD805315	Human PRO
284	86	100.0	105	7	AD816049	Novel hum	357	86	100.0	105	8	AD819582	Human PRO
285	86	100.0	105	7	AD816678	Novel hum	358	86	100.0	105	8	AD811296	Novel hum
286	86	100.0	105	7	AD815497	Novel hum	359	86	100.0	105	8	AD813419	Human PRO
287	86	100.0	105	7	AD814945	Novel hum	360	86	100.0	105	8	AD808476	Novel hum
288	86	100.0	105	8	AD848869	Novel hum	361	86	100.0	105	8	AD815646	Human PRO
289	86	100.0	105	8	AD81207	Novel hum	362	86	100.0	105	8	AD812075	Novel hum
290	86	100.0	105	8	AD821040	Novel hum	363	86	100.0	105	8	AD897044	Human PRO
291	86	100.0	105	8	AD805884	Human PRO	364	86	100.0	105	8	AD806229	Human PRO
292	86	100.0	105	8	AD876655	Human PRO	365	86	100.0	105	8	AD823813	Novel hum
293	86	100.0	105	8	AD875113	Human PRO	366	86	100.0	105	8	AD804102	Human PRO
294	86	100.0	105	8	AD875859	Novel hum	367	86	100.0	105	8	AD825003	Novel hum
295	86	100.0	105	8	AD85091	Novel hum	368	86	100.0	105	8	AD894632	Novel hum
296	86	100.0	105	8	AD886917	Novel hum	369	86	100.0	105	8	AD807300	Novel hum
297	86	100.0	105	8	AD820794	Novel hum	370	86	100.0	105	8	AD807852	Novel hum
298	86	100.0	105	8	AD839091	Novel hum	371	86	100.0	105	8	AD806728	Human PRO
299	86	100.0	105	8	AD88019	Human PRO	372	86	100.0	105	8	AD855347	Novel hum
300	86	100.0	105	8	AD886423	Human PRO	373	86	100.0	105	8	AD861011	Novel hum
301	86	100.0	105	8	AD805638	Human PRO	374	86	100.0	105	8	AD862115	Novel hum
302	86	100.0	105	8	AD873623	Human PRO	375	86	100.0	105	8	AD882316	Human PRO
303	86	100.0	105	8	AD875871	Human PRO	376	86	100.0	105	8	AD857555	Novel hum
304	86	100.0	105	8	AD878463	Novel hum	377	86	100.0	105	8	AD857003	Novel hum
305	86	100.0	105	8	AD841422	Human sec	378	86	100.0	105	8	AD855899	Novel hum
306	86	100.0	105	8	AD823447	Human PRO	379	86	100.0	105	8	AD858659	Novel hum
307	86	100.0	105	8	AD821286	Novel hum	380	86	100.0	105	8	AD871025	Novel hum
308	86	100.0	105	8	AD877401	Novel hum	381	86	100.0	105	8	AD839072	Novel hum
309	86	100.0	105	8	AD820548	Novel hum	382	86	100.0	105	8	AD858107	Novel hum
310	86	100.0	105	8	AD875613	Human PRO	383	86	100.0	105	8	AD853691	Novel hum
311	86	100.0	105	8	AD874129	Human PRO	384	86	100.0	105	8	AD871577	Novel hum
312	86	100.0	105	8	AD874375	Human PRO	385	86	100.0	105	8	AD881764	Human PRO
313	86	100.0	105	8	AD876105	Novel hum	386	86	100.0	105	8	AD819617	Human sec
314	86	100.0	105	8	AD885597	Novel hum	387	86	100.0	105	8	AD830726	Human PRO
315	86	100.0	105	8	AD823999	Human PRO	388	86	100.0	105	8	AD812093	Novel hum
316	86	100.0	105	8	AD824642	Human PRO	389	86	100.0	105	8	AD852515	Novel hum

390	8	ADG54243	86	100.0	105	8	Adg54243 Novel hum	463	47	54.7	105	3	AAB18475	Aab18475 A human T
391	8	ADG81212	86	100.0	105	8	Adg81212 Human PRO	464	47	54.7	105	4	AAB70147	Aab70147 Human G p
392	8	ADG56451	86	100.0	105	8	Adg56451 Novel hum	465	47	54.7	105	4	AAM79066	Aam79066 Human pro
393	8	ADH12717	86	100.0	105	8	Adh12717 Novel hum	466	47	54.7	105	5	AAG79596	Aag79596 GSSP4 seq
394	8	ADH21110	86	100.0	105	8	Adh21110 Human sec	467	47	54.7	105	5	AAO15526	Aao15526 Human phy
395	8	ADG61563	86	100.0	105	8	Adg61563 Novel hum	468	47	54.7	105	5	ABO6307	Abo6307 Human G p
396	8	ADH20150	86	100.0	105	8	Adh20150 Human sec	469	47	54.7	105	6	ABP75987	Abp75987 Human GEN
397	8	ADH28650	86	100.0	105	8	Adh28650 Human PRO	470	47	54.7	105	7	ADD69105	Add69105 Human ZAQ
398	8	ADG54795	86	100.0	105	8	Adg54795 Novel hum	471	47	54.7	105	8	ADS86473	Ads86473 Human ZAQ
399	8	ADG59835	86	100.0	105	8	Adg59835 Novel hum	472	40	46.5	86	5	AAE24391	Aae24391 Human pro
400	8	ADH43605	86	100.0	105	8	Adh43605 Human PRO	473	40	46.5	86	5	ADO05372	Ado05372 PK2/PK1 c
401	8	ADG34162	86	100.0	105	8	Adg34162 Novel hum	474	40	46.5	86	8	ADN43267	Adn43267 Amino aci
402	8	ADT81129	86	100.0	105	8	Adt81129 Human PRO	475	40	46.5	86	8	ADS75505	Ads75505 Modified
403	8	ADT133632	86	100.0	105	8	Adt133632 Human PRO	476	40	46.5	86	9	ADW00765	Adw00765 Amino aci
404	8	ADH69726	86	100.0	105	8	Adh69726 Human PRO	477	40	46.5	86	9	ADZ88908	Adz88908 Human pro
405	8	ADG10002	86	100.0	105	8	Adg10002 Novel hum	478	38	44.2	105	6	ABP76151	Abp76151 Human GEN
406	8	ADT115473	86	100.0	105	8	Adt115473 Novel hum	479	38	44.2	105	6	ABP75986	Abp75986 Human GEN
407	8	ADG09350	86	100.0	105	8	Adg09350 Novel hum	480	29	33.7	86	5	ABB99156	Abb99156 Rat ZAQ p
408	8	ADT114805	86	100.0	105	8	Adt114805 Novel hum	481	29	33.7	86	5	ABB99155	Abb99155 Rat ZAQ p
409	8	ADT29887	86	100.0	105	8	Adt29887 Novel hum	482	29	33.7	86	5	ABB99154	Abb99154 Rat ZAQ p
410	8	ADT18400	86	100.0	105	8	Adt18400 Novel hum	483	29	33.7	86	5	ABB06961	Abb06961 Rat G pro
411	8	ADM27284	86	100.0	105	8	Adm27284 Novel hum	484	29	33.7	86	5	ABB06959	Abb06959 Rat G pro
412	8	ADJ63681	86	100.0	105	8	Adj63681 Novel hum	485	29	33.7	86	5	ABB06960	Abb06960 Rat G pro
413	8	ADJ77576	86	100.0	105	8	Adj77576 Human PRO	486	29	33.7	86	7	ADD69164	Add69164 Rat ZAQ-r
414	8	ADK82950	86	100.0	105	8	Adk82950 Human PRO	487	29	33.7	86	7	ADD69160	Add69160 Rat ZAQ-r
415	8	ADK66642	86	100.0	105	8	Adk66642 Human PRO	488	29	33.7	86	7	ADD69162	Add69162 Rat ZAQ-r
416	8	ADJ65698	86	100.0	105	8	Adj65698 Human PRO	489	29	33.7	86	8	ADN43261	Adn43261 Amino aci
417	8	ADM27834	86	100.0	105	8	Adm27834 Human PRO	490	29	33.7	86	8	ADS86481	Ads86481 Rat ZAQ l
418	8	ADL166891	86	100.0	105	8	Adl166891 Human ext	491	29	33.7	86	8	ADS86483	Ads86483 Rat ZAQ l
419	8	ADN08155	86	100.0	105	8	Adn08155 Human end	492	29	33.7	86	8	ADS86485	Ads86485 Rat ZAQ l
420	8	ADM42558	86	100.0	105	8	Adm42558 Human PRO	493	29	33.7	86	8	ADS75521	Ads75521 Modified
421	8	ADN41842	86	100.0	105	8	Adn41842 Amino aci	494	29	33.7	105	5	ABB99153	Abb99153 Rat ZAQ p
422	8	ADM28420	86	100.0	105	8	Adm28420 Human PRO	495	29	33.7	105	5	ABB99152	Abb99152 Rat ZAQ p
423	8	ADT195902	86	100.0	105	8	Adt195902 Human PRO	496	29	33.7	105	5	ABB99151	Abb99151 Rat ZAQ p
424	8	ADT196454	86	100.0	105	8	Adt196454 Novel hum	497	29	33.7	105	5	ABB06957	Abb06957 Rat G pro
425	8	ADS86960	86	100.0	105	8	Ads86960 Human Zve	498	29	33.7	105	5	ABB06958	Abb06958 Rat G pro
426	8	ADS00464	86	100.0	105	8	Ads00464 Human EG-	499	29	33.7	105	5	ABB06956	Abb06956 Rat G pro
427	8	ADS86475	86	100.0	105	8	Ads86475 Human ZAQ	500	29	33.7	105	7	ADD69154	Add69154 Rat ZAQ-r
428	8	ADS75493	86	100.0	105	8	Ads75493 Human pro							
429	8	ADS32406	86	100.0	105	8	Ads32406 Novel hum							
430	8	ADT03390	86	100.0	105	8	Adt03390 Human PRO							
431	8	ADY86164	86	100.0	105	9	Ady86164 Human EG-							
432	8	ADZ03441	86	100.0	105	9	Adz03441 Human sec							
433	8	ADZ88922	86	100.0	105	9	Adz88922 Human pro							
434	8	AEA38601	86	100.0	105	9	Aea38601 Human sec							
435	8	AEBl4187	86	100.0	105	9	Aebi4187 Cancer ce							
436	8	AEb45588	86	100.0	105	9	Aeb45588 Human Zve							
437	8	ABJ05340	86	100.0	125	5	Abj05340 Target fu							
438	8	ABJ05339	86	100.0	130	5	Abj05339 Human PTH							
439	8	AAE24393	85	98.8	85	5	Aae24393 Human pro							
440	8	ADS75507	85	98.8	85	8	Ads75507 Prokineti							
441	8	ADS75511	85	98.8	86	8	Ads75511 Prokineti							
442	8	ADZ88902	82	95.3	82	9	Adz88902 Human pro							
443	8	AAE24394	81	94.2	86	5	Aae24394 Human pro							
444	8	ADS75508	81	94.2	86	8	Ads75508 Prokineti							
445	8	ABl18473	78	90.7	105	3	Aabi18473 A human T							
446	61	ADZ88921	61	70.9	105	9	Adz88921 Rhesus mo							
447	51	AAE24390	51	59.3	81	5	Aae24390 Human pro							
448	51	ADO05371	51	59.3	81	7	Ado05371 PK1/PK2 c							
449	51	ADN43266	51	59.3	81	8	Adn43266 Amino aci							
450	51	ADS75504	51	59.3	81	8	Ads75504 Modified							
451	51	ADW00764	51	59.3	81	9	Adw00764 Amino aci							
452	51	ADZ88907	51	59.3	81	9	Adz88907 Human pro							
453	49	AABl18474	49	57.0	105	3	Aabi18474 A human T							
454	47	AAG00617	47	54.7	80	3	Aag00617 Human sec							
455	47	AAy11745	47	54.7	81	2	Aay11745 Human 5'							
456	47	AAb70145	47	54.7	86	4	Aab70145 Human G p							
457	47	AAO15528	47	54.7	86	5	Aao15528 Human phy							
458	47	ABB06305	47	54.7	86	5	Abb06305 Human G p							
459	47	ADD69103	47	54.7	86	7	Add69103 Human ZAQ							
460	47	ADR24004	47	54.7	86	8	Adr24004 Human ZAQ							
461	47	ADS86469	47	54.7	86	8	Ads86469 Human ZAQ							
462	47	ADZ58576	47	54.7	86	9	Adz58576 Human ZAQ							

ALIGNMENTS

RESULT 1
AAB70146

ID AAB70146 standard; protein; 86 AA.

AC AAB70146;

XX 29-MAY-2001 (first entry)

XX Human G protein-coupled receptor protein-related sequence #2.

DE Human; G protein-coupled receptor protein; nootropic; neuroprotective;
XX hypotensive; orexigenic; antiallergic; antiangiinal; antimicrobial;
KW antibacterial; gene therapy; Alzheimer's disease; hypertension; anorexia;
KW allergy; angina pectoris; infection; MRSA;
multiple resistant Staphylococcus aureus.

OS Homo sapiens.

XX WO200116309-A1.

XX 08-MAR-2001.

XX 24-AUG-2000; 2000WO-JP005685.

XX 27-AUG-1999; 99JP-00241531.

XX 18-JUL-2000; 2000JP-00217474.

XX (TAKE) TAKEDA CHEM IND LTD.

PI Watanabe T, Terao Y, Shintani Y;

XX WPI; 2001-226684/23.
XX New human brain-originated guanosine triphosphate protein-coupled
PT receptor protein, its salt and encoded gene, useful in (gene) diagnosis
PT and development of preventives and remedies for Alzheimer's disease,
PT hypertension and anorexia.
XX
XX Example 4; Fig 9; 119pp; Japanese.
XX The present sequence is provided in a specification relating to a protein
CC or its salt with an amino acid sequence identical or substantially
CC similar to a fully defined sequence of 393 amino acids as given in the
CC specification. The protein is useful in gene diagnosis and development of
CC preventives and remedies for diseases associated with dysfunction of the
CC protein, e.g. Alzheimer's disease, hypertension, anorexia, allergy,
CC angina pectoris and infections (e.g. multiple resistant Staphylococcus
CC aureus). The proteins and DNA encoding the proteins are also useful for
XX the treatment of these diseases by gene therapy
XX
SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 4; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
DB 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
QY 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
DB 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86

RESULT 2
ABB76801
ID ABB76801 standard; protein; 86 AA.
XX
AC ABB76801;
XX
DT 19-JUN-2002 (first entry)
XX
DE Human ZAQ-1.
XX
KW Recombinant protein production; drug; reagent; food stuff.
XX
OS Homo sapiens.
XX
PN WO200208417-A1.
XX
PD 31-JAN-2002
XX
PF 25-JUL-2001; 2001WO-JP006392.
XX
PR 25-JUL-2000; 2000JP-00229064.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Ito T, Tanaka Y, Kondo M;
XX
DR WPI; 2002-179906/23.
XX
PT Production of recombinant proteins in prokaryotes or eukaryotes
PT particularly with target proteins obtainable through gene recombination
PT technique, for use as drugs, reagents, raw materials for industries and
PT feeding stuffs.
XX
PS Disclosure; Page 133; 137pp; Japanese.
XX
CC The present invention relates to a method for producing recombinant
CC proteins. The method comprises preparing a recombinant vector for
CC transforming a host cell before culturing the obtained transformant,

CC assaying expression of the reporter gene and confirming high expression
CC of the reporter gene. The recombinant proteins are useful as drugs,
CC reagents, raw materials for industries and feeding stuffs. Also, the
CC proteins are obtainable on large-scale production. The present sequence
CC was used to illustrate the invention
XX
SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
DB 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHHTCP 60
QY 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
DB 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86

RESULT 3
ABJ05338
ID ABJ05338 standard; protein; 86 AA.
XX
AC ABJ05338;
XX
DT 08-NOV-2002 (first entry)
XX
DE Human ZAQ protein ligand.

XX Target peptide production; fusion peptide; protease-susceptible linker;
KW parathyroid hormone; PTH; high expression rate;
KW pharmaceutical application.
XX
OS Homo sapiens.

XX WO200236762-A1.

XX PD 10-MAY-2002.
XX PF 29-OCT-2001; 2001WO-JP009476.

XX PR 30-OCT-2000; 2000JP-00331170.
XX PR 27-JUN-2001; 2001JP-00195522.

XX (TAKE) TAKEDA CHEM IND LTD.

XX Yamada T, Suenaga M;

XX WPI; 2002-417275/44.
XX DR N-PSDB; ABT06826.

XX Production of target peptide comprises cleavage of fusion peptide with
PT parathyroid hormone peptide for efficient manufacture of target peptide
PT without the need to remove N-terminal methionine.

XX Claim 14; Page 16; 103pp; Japanese.

XX The invention comprises a method of producing a target peptide. The C-
CC terminal end of the target peptide is fused via a protease-susceptible
CC linker to parathyroid hormone (PTH) residues 1-34. The method of the
CC invention is useful for the clean and efficient production of a target
CC peptide at a high expression rate on an industrial scale without the need
CC to remove the N-terminal methionine from the product. The peptides
CC produced by the method of the invention are suitable for pharmaceutical
CC and other uses. The present protein sequence was used in the invention
XX

SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
OY 1 AVITGACERDVQCGAGTCCCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
DB 1 AVITGACERDVQCGAGTCCCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
OY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
DB 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86

RESULT 4
AAO15529
ID AAO15529 standard; protein; 86 AA.
XX
AC AAO15529;
XX
XX 24-OCT-2002 (first entry)
XX
DE Human physiologically-active ZAQ ligand-related protein 4.
XX
XX Human; ZAQ ligand; physiologically-active ZAQ ligand; digestive disease;
KW colitis; diarrhoea.
XX
OS Homo sapiens.
XX
PN WO200257443-A1.
XX
PD 25-JUL-2002.
XX
XX 21-JAN-2002; 2002WO-JP000378.
XX
XX 22-JAN-2001; 2001JP-00013027.
PR 17-MAY-2001; 2001JP-00147759.
XX
XX (TAKE ) TAKEDA CHEM IND LTD.
XX
XX Yamada T, Suenaga M, Nishimura O;
XX
XX WPI; 2002-566801/60.
XX
XX Industrial production of physiologically-active ZAQ ligand by expressing
PT in transformant prokaryote and refolding in redox buffer, for use in
PT preventing or treating digestive diseases e.g. colitis and diarrhea.
XX
XX Claim 2; Page 79; 93pp; Japanese.
XX
XX The invention comprises a method for producing an active peptide that has
CC the same activity as a ZAQ ligand isolated from eukaryotic cells. The
CC method of the invention is useful for the production of a physiologically
CC -active ZAQ ligand for use in preventing or treating digestive diseases
CC (e.g. colitis and diarrhea). The present amino acid sequence represents a
CC human physiologically active ZAQ ligand-related protein
XX
XX Sequence 86 AA;
XX
XX Query Match 100.0%; Score 86; DB 5; Length 86;
XX Best Local Similarity 100.0%; Pred. No. 2.9e-86;
XX Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 AVITGACERDVQCGAGTCCCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
DB 1 AVITGACERDVQCGAGTCCCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
OY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
DB 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86

RESULT 5
ABB06306
ID ABB06306 standard; protein; 86 AA.
XX
XX ABB06306;
```

```
XX 27-MAY-2002 (first entry)
DT Human G protein-coupled receptor ZAQ ligand protein SEQ ID NO:21.
XX
DE
XX
XX G protein-coupled receptor; ZAQ ligand; physiologically active peptide;
KW ZAQ; antidiarrheic; laxative; drug development; digestive disease;
KW colitis; diarrhoea; constipation; poor-absorption syndrome; gene therapy.
XX
XX Homo sapiens.
XX
XX WO200206483-A1.
XX
XX 24-JAN-2002.
XX
XX 17-JUL-2001; 2001WO-JP006162.
XX
XX 18-JUL-2000; 2000JP-00217442.
PR 02-FEB-2001; 2001JP-00026779.
XX
XX (TAKE ) TAKEDA CHEM IND LTD.
XX
XX Ohtaki T, Masuda Y, Takatsu Y, Watanabe T, Terao Y, Shintani Y;
XX Hinuma S;
XX
XX WPI; 2002-189546/24.
XX N-PSDB; ABL49635.
XX
XX Physiologically-active peptides from cows milk, useful for developing
PT drugs to treat ZAQ-mediated diseases, particularly digestive diseases
PT like colitis, diarrhea, constipation and poor-absorption syndrome, by
PT gene therapy.
XX
XX Claim 1; Fig 9; 191pp; Japanese.
XX
XX The present invention describes a peptide containing an amino acid
CC sequence (I) identical to or substantially similar to that of the
CC sequences in ABB06305 or ABB06306, or its salt. (I) has antidiarrheic and
CC laxative activities. The peptides and encoding DNAs from the present
CC invention are useful for developing drugs to treat digestive diseases
CC like colitis, diarrhoea, constipation and poor-absorption syndrome,
CC including gene therapy. The physiologically-active cows milk-originated
CC peptides are applicable as a specific ligand of brain-originated orphan G
CC protein-coupled receptor protein ZAQ. ABL49615 to ABB40659 and ABB06303
CC to ABB06315 represent sequences used in the exemplification of the
CC present invention
XX
XX Sequence 86 AA;
XX
XX Query Match 100.0%; Score 86; DB 5; Length 86;
XX Best Local Similarity 100.0%; Pred. No. 2.9e-86;
XX Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 1 AVITGACERDVQCGAGTCCCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
DB 1 AVITGACERDVQCGAGTCCCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
OY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
DB 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86

RESULT 6
AAE24383
ID AAE24383 standard; protein; 86 AA.
XX
XX AAE24383;
XX
XX 04-OCT-2002 (first entry)
XX
XX Human prokineticin 1 mature protein.
XX
XX Human; prokineticin 1; gastrointestinal motility; intestinal cancer;
```


KW irritable bowel syndrome; gastrointestinal reflux disease; diarrhoea;
KW diabetic gastroparesis; chronic constipation; malabsorptive disorder;
KW inflammatory bowel disorder; analgesic; infectious disease.
OS Homo sapiens.
XX WO200236625-A2.
PN 10-MAY-2002.
XX 01-NOV-2001; 2001WO-US047969.
PF 03-NOV-2000; 2000US-0245882P.
PR (REGC) UNIV CALIFORNIA.
XX Zhou Q, Ehlert FJ;
PI WPI; 2002-479752/51.
DR N-PSDB; AAD39321.
XX New isolated human prokineticin 1 and 2 polypeptides that stimulate
PT gastrointestinal smooth muscle contraction, useful for improving impaired
PT gastrointestinal motility in irritable bowel syndrome, chronic
PT constipation.
XX Claim 1; Page 79-80; 86pp; English.
PS The invention relates to human prokineticin 1 and 2 polypeptides that
XX stimulate gastrointestinal smooth muscle contraction and nucleic acid
CC molecules encoding such polypeptides. Polypeptides of the invention are
CC useful for treating disorders involving impaired gastrointestinal
CC motility. They are useful for stimulating gastrointestinal motility in
CC disorders such as irritable bowel syndrome, diabetic gastroparesis, post-
CC operational ileus, chronic constipation and gastrointestinal reflux
CC disease. The prokineticin antagonists are useful for inhibiting
CC gastrointestinal motility in conditions of diarrhoea, malabsorptive
CC disorders, inflammatory bowel disorders, infectious diseases and
CC intestinal cancers. The antagonists also act as analgesics. The present
CC sequence is human prokineticin 1 mature protein
XX Sequence 86 AA;
SQ

Query Match 100.0%; Score 86; DB 5; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCALSLWLRLGMLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
DB 1 AVITGACERDVQCGAGTCCALSLWLRLGMLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
DB 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86

RESULT 7
ADD69104
ID ADD69104 standard; protein; 86 AA.

XX ADD69104;
AC 15-JAN-2004 (first entry)
DT Human ZAQ-related protein - SEQ ID 82.
DE angiogenesis inhibitor; cytostatic; antinflammatory; cancer;
XX ovarian disease; diabetic retinopathy; inflammatory; ZAQ; Bv8; I5E;
KW human.
XX Homo sapiens.
OS WO200306860-A1.
PN

XX 14-AUG-2003.
PD 03-FEB-2003; 2003WO-JP001057.
PF 04-FEB-2002; 2002JP-00027299.
XX (TAKE) TAKEDA CHEM IND LTD.
XX Ohtaki T, Masuda Y, Takatsu Y;
PI WPI; 2003-646310/61.
DR N-PSDB; ADD69110.
XX Angiogenesis inhibitors for treatment and prevention of cancer, ovarian
PT diseases and inflammatory disease.
XX Claim 1; SEQ ID NO 82; 308pp; Japanese.
PS The invention relates to a novel angiogenesis inhibitor comprising a
CC compound that inhibits the activity of an amino acid sequence given in
CC the specification. Angiogenesis-related proteins Bv8, ZAQ and I5E were
CC utilised within the method of the invention. The molecules of the
CC invention demonstrate cytostatic and antiinflammatory activities whilst
CC the method may be useful for treatment and prevention of cancer, ovarian
CC diseases, diabetic retinopathy and inflammatory disease. The current
CC sequence is that of the human ZAQ-related protein of the invention.
XX Sequence 86 AA;
SQ

Query Match 100.0%; Score 86; DB 7; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCALSLWLRLGMLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
DB 1 AVITGACERDVQCGAGTCCALSLWLRLGMLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
DB 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86

RESULT 8
ADO05360
ID ADO05360 standard; protein; 86 AA.

XX ADO05360;
AC 01-JUL-2004 (first entry)
DT Human prokineticin 1 (PK1), SEQ ID NO:9.
DE Human prokineticin 1; PK1; circadian rhythm; modulation; drug screening;
XX circadian rhythm disorder; non-24-hour sleep-wake syndrome;
KW rapid time-zone change syndrome; jetlag; work-shift syndrome;
KW delayed phase sleep syndrome; advanced sleep phase syndrome;
KW irregular sleep-wake pattern syndrome; decreased amplitude syndrome;
KW seasonal affective disorder; ultradian rhythm; daydreaming; urination;
KW hunger; infaridian rhythm; female sexual receptivity; CNS;
KW central nervous syndrome; PK2 receptor antagonist; PK2 receptor agonist.

XX Homo sapiens.
OS WO2003088904-A2.
XX 30-OCT-2003.
PD 15-APR-2003; 2003WO-US011538.
PF 15-APR-2002; 2002US-0372836P.
PR (REGC) UNIV CALIFORNIA.
PA

XX Zhou Q, Bullock CM;
 XX WPI; 2003-854028/79.
 XX Screening for compounds for modulating circadian rhythm, for treating
 XX seasonal disorders, comprises determining ability of prokineticin-2
 XX receptor antagonist or agonist to modulate one or more circadian rhythm
 XX function indicia.
 XX Disclosure; SEQ ID NO 9; 164pp; English.
 XX The invention relates to a method of screening for a compound for its
 XX ability to modulate circadian rhythm. The method involved determining the
 XX ability of a prokineticin 2 (PK2) receptor agonist or antagonist to
 XX modulate one or more indicia or circadian rhythm function. The compound
 XX is identified as being a PK2 receptor agonist or antagonist by
 XX determining its effect on a predetermined signal such as calcium
 XX mobilisation produced by the interaction of PK2 and a receptor selected
 XX from the PK2 receptor (e.g., ADO05353) or the PK1 receptor (e.g.,
 XX ADO05355). The invention is based on the findings that PK2 expression in
 XX the suprachiasmatic nucleus (SCN) oscillates in a circadian fashion, and
 XX that PK2 receptor activation modulates circadian rhythm in rats. The
 XX invention also relates to a method of modulating the circadian rhythm of
 XX an animal by administration of a PK2 receptor antagonist or agonist; a
 XX composition comprising a detectably labelled PK2 and an isolated mouse
 XX PK2 receptor; nucleic acid constructs, vectors and host cells comprising
 XX a PK2 gene promoter (ADO05365-ADO05369) operably linked to a heterologous
 XX nucleotide sequence; use of such constructs to identify modulators of
 XX circadian rhythm and for the light regulated expression of a nucleic acid
 XX molecule in an animal; and oligonucleotides at least 17 bases in length
 XX which are able to hybridise to the human PK2 promoter ADO05365. The
 XX methods of the invention are useful for identifying compounds for
 XX modulating circadian rhythm. Such modulators include PK2 receptor
 XX antagonists which promote sleep, and PK2 receptor agonists which promote
 XX alertness. The circadian rhythm modulators may be used in the treatment
 XX of circadian rhythm disorders such as non-24-hour sleep-wake syndrome,
 XX rapid time-zone change syndrome (jetlag), work-shift syndrome, delayed
 XX phase sleep syndrome, advanced sleep phase syndrome, irregular sleep-wake
 XX pattern syndrome, syndrome associated with decreased amplitude, and
 XX seasonal affective disorder. They may also be used for modulating
 XX biological rhythms with a periodicity of less than 24 hours (ultradian
 XX rhythm) such as daydreaming, urination or hunger, or those with a
 XX periodicity of more than 24 hours (infradian rhythm) such as sexual
 XX receptivity (heat) in female animals. The present sequence represents
 XX human PK1.
 XX Sequence 86 AA;
 XX
 XX Query Match 100.0%; Score 86; DB 7; Length 86;
 XX Best Local Similarity 100.0%; Pred. No. 2.9e-86;
 XX Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 60
 DB 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 60
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 DB 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 RESULT 9
 ADN43256
 ID ADN43256 standard; protein; 86 AA.
 XX
 XX ADN43256;
 XX
 XX 15-JUL-2004 (first entry)
 XX
 XX Amino acid sequence of human prokineticin 1 (PK1).
 XX
 XX neurogenesis; prokineticin receptor; PKR; neural stem; progenitor cell;
 KW neural regeneration; Alzheimer's disease; Parkinson's disease;
 KW neurodegenerative disease; prokineticin 1; PK1.
 XX Homo sapiens.
 XX WO2004032851-A2.
 XX 22-APR-2004.
 XX 03-OCT-2003; 2003WO-US031626.
 XX 04-OCT-2002; 2002US-0416202P.
 XX (REGC) UNIV CALIFORNIA.
 XX Zhou Q, Cheng MY;
 XX WPI; 2004-340794/31.
 XX Identifying a compound that modulates neurogenesis comprises contacting a
 XX neural stem or progenitor cell with a compound that modulates
 XX prokineticin receptor signaling and determining its ability to modulate
 XX neurogenesis.
 XX Claim 26; Fig 6B; 103pp; English.
 XX The specification describes a method for identifying a compound that
 XX modulates neurogenesis. The method comprises providing a compound that
 XX modulates prokineticin receptor (PKR) signaling, contacting a neural stem
 XX or progenitor cell with the compound, and determining the ability of the
 XX compound to modulate neurogenesis. The method is useful for modulating
 XX neurogenesis or for identifying compounds that modulate neurogenesis.
 XX These are used for both ex vivo or in vivo therapeutic applications where
 XX neural regeneration is desirable, such as in Alzheimer's disease,
 XX Parkinson's disease or other debilitating neurodegenerative diseases. The
 XX present sequence represents human prokineticin 1 (PK1), which may be used
 XX in the method of the invention to modulate neurogenesis.
 XX Sequence 86 AA;
 XX
 XX Query Match 100.0%; Score 86; DB 8; Length 86;
 XX Best Local Similarity 100.0%; Pred. No. 2.9e-86;
 XX Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 60
 DB 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 60
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 DB 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 RESULT 10
 ADR24003
 ID ADR24003 standard; protein; 86 AA.
 XX
 XX ADR24003;
 XX
 XX 21-OCT-2004 (first entry)
 XX
 XX Human ZAQ-1 ligand protein #1.
 XX
 XX antiangiogenic; antialcoholic; antiarrhythmic; antiarteriosclerotic;
 KW anticonvulsant; antidepressant; antidiabetic; anti-HIV; antimanic;
 KW antiparkinsonian; cerebroprotective; cytostatic; eating disorders;
 KW endocrine; gastrointestinal; gynecological; hypnotic; hypotensive;
 KW neuroleptic; neuroprotective; nootropic; ophthalmological; tranquilizer;
 KW vasotropic; vulnery; monoclonal antibody; human; ZAQ-1; ligand;
 KW hybridoma cell; assay; diagnosis; endometrial cancer; endometriosis;
 KW ovulation disorder; digestive disease; angiogenesis; pregnancy;
 KW eating disorder; sleeping disorder; seasonal depression;
 KW reproductive dysfunction; endocrine disease; senile dementia;

KW Alzheimer's disease; aging; cerebral circulatory disorder; head trauma;
 KW spinal injury; epilepsy; anxiety; depression; schizophrenia; alcoholism;
 KW Parkinson's disease; hypertension; arteriosclerosis; arrhythmia;
 KW premenstrual disorder syndrome; glaucoma; AIDS; diabetes.

OS Homo sapiens.
 XX WO2004065419-A1.
 XX PD 05-AUG-2004.
 XX PF 21-JAN-2004; 2004WO-JP000498.
 XX PR 22-JAN-2003; 2003JP-00014055.
 XX PA (TAKE) TAKEDA CHEM IND LTD.

XX Matsumoto H, Horikoshi Y, Masuda Y, Ohtaki T;
 XX WPI; 2004-593431/57.

XX New monoclonal antibody having high avidity to human ZAQ1-1 polypeptide,
 PT useful for preventing, treating or diagnosing diseases such as
 PT endometrial cancer, ovulation disorders, Alzheimer's disease, AIDS,
 PT Parkinson's disease and diabetes.

PS Claim 1; SEQ ID NO 1; 64pp; Japanese.
 CC The invention relates to a monoclonal antibody (I) having high avidity to
 CC human ZAQ1-1 ligand polypeptides, comprising either of two fully defined
 CC sequences of 86 amino acids (S1). (I) is ZLI-107a or ZLI-234a produced
 CC from hybridoma cells ZLI-107 FERM BP-8256 or ZLI-234 FERM BP-8257. (I) is
 CC useful for carrying out assay of the polypeptide containing (S1) which
 CC involves reacting (I) with the test-liquid containing the polypeptide or
 CC its salt, and measuring the ratio of the polypeptide bound to (I). (I) is
 CC useful as a diagnostic or therapeutic agent for diagnosis and/or
 CC treatment of diseases such as endometrial cancer, endometriosis or
 CC ovulation disorders, digestive diseases, diseases associated with
 CC angiogenesis, diseases relating to pregnancy, eating disorder, sleeping
 CC disorder, seasonal depression, reproductive dysfunction, endocrine
 CC diseases, senile dementia, Alzheimer's disease, various disorders caused
 CC by aging, cerebral circulatory disorder, head trauma, spinal injury,
 CC epilepsy, anxiety, depression, manic depression, schizophrenia,
 CC alcoholism, Parkinson's disease, hypertension, arteriosclerosis,
 CC arrhythmia, premenstrual disorder syndrome, glaucoma, AIDS, diabetes,
 CC etc. This sequence corresponds to a ZAQ-1 ligand used in the invention.

XX SQ Sequence 86 AA;
 Query Match 100.0%; Score 86; DB 8; Length 86;
 Best Local Similarity 100.0%; Pred. No. 2.9e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGREGECHPGSHKVPFFRKRHHTCP 60
 DB 1 AVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGREGECHPGSHKVPFFRKRHHTCP 60
 QY 61 CLPNLLCSRFPDGRYRCMDLKNINF 86
 DB 61 CLPNLLCSRFPDGRYRCMDLKNINF 86

RESULT 11
 ADS86471
 ID ADS86471 standard; protein; 86 AA.
 XX AC ADS86471;
 XX DT 30-DEC-2004 (first entry)
 XX DE Human ZAQ ligand protein related to eating disorders & obesity Seq 3.
 XX KW food intake regulator; ZAQ ligand; eating disorder; obesity; anabolic;

KW anorectic; sominopathy; anorexia; hyperphagia; primary sleeplessness;
 KW malignant mastocytosis.

XX Homo sapiens.
 XX WO2004084945-A1.
 XX PD 07-OCT-2004.
 XX PF 25-MAR-2004; 2004WO-JP004186.
 XX PR 27-MAR-2003; 2003JP-00086816.
 XX PA (TAKE) TAKEDA CHEM IND LTD.

XX Ohtaki T, Kumano S;
 XX WPI; 2004-728618/71.
 XX DR N-PSDB; ADS86472.
 XX PT Food intake regulator useful for treating eating disorders such as
 PT sominopathy, hyperphagia, or obesity, has compound or its salt which
 PT inhibits or promotes activity of peptide such as ZAQ ligand peptide and
 XX BV8 peptide containing.

PS Claim 1; SEQ ID NO 3; 210pp; Japanese.
 CC This invention relates to a novel method and compositions to control
 CC eating. Specifically, it refers to food intake regulators that contain a
 CC compound or salts thereof that inhibit or promote the activity of the ZAQ
 CC ligand peptide or the BV8 peptide or alternatively modulate the ZAQ
 CC receptor or 15E receptor. The present invention describes a preventative
 CC or therapeutic agent of an eating disorder or obesity that exhibits
 CC anabolic and anorectic activities. As such, they can be used to treat
 CC eating disorders including sominopathy, anorexia, hyperphagia and primary
 CC sleeplessness and diseases associated with obesity including malignant
 CC mastocytosis, exogenous obesity, hyperinsular obesity, hyperplasmic
 CC obesity, hypophyseal obesity, reduced plasma obesity, hypothyroidism
 CC obesity, hypothalamus related obesity, symptomatic obesity, infantile
 CC obesity, upper body obesity, alimentary obesity, hypogonadism related
 CC obesity, systemic mastocytosis, simple obesity, central obesity. This
 CC polypeptide sequence is a human ZAQ ligand protein of the invention.

XX SQ Sequence 86 AA;
 Query Match 100.0%; Score 86; DB 8; Length 86;
 Best Local Similarity 100.0%; Pred. No. 2.9e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGREGECHPGSHKVPFFRKRHHTCP 60
 DB 1 AVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGREGECHPGSHKVPFFRKRHHTCP 60
 QY 61 CLPNLLCSRFPDGRYRCMDLKNINF 86
 DB 61 CLPNLLCSRFPDGRYRCMDLKNINF 86

RESULT 12
 ADS75494
 ID ADS75494 standard; protein; 86 AA.
 XX AC ADS75494;
 XX DT 30-DEC-2004 (first entry)
 XX DE Human prokineticin 1 receptor protein.
 XX KW gastric acid; pepsinogen secretion; prokineticin; PK; receptor;
 XX gastrointestinal; gene therapy; ulcer; reflux oesophagitis; PK1.
 XX OS Homo sapiens.
 XX

PN WO2004087054-A2.
 XX 14-OCT-2004.
 XX 25-MAR-2004; 2004WO-US009255.
 XX 25-MAR-2003; 2003US-0457891P.
 XX (REGC) UNIV CALIFORNIA.
 XX Zhou Q;
 XX WPI; 2004-729162/71.
 XX Modulating gastric acid or pepsinogen secretion for treating ulcer or
 PT reflux esophagitis by administering a prokineticin receptor antagonist to
 PT alter one or more indicia of gastric acid or pepsinogen secretion.
 XX Claim 1; SEQ ID NO 3; 89pp; English.
 XX The invention relates to a novel method for modulating gastric acid or
 CC pepsinogen secretion. The method comprises administering a prokineticin
 CC (PK) receptor antagonist to alter one or more indicia of gastric acid or
 CC pepsinogen secretion. The invention further comprises a method for
 CC screening for a compound for modulating gastric acid or pepsinogen
 CC secretion in a mammal. The compound of the invention has gastrointestinal
 CC activity. Compounds identified by the screening method may be used in
 CC gene therapy. The method is useful in modulating gastric acid or
 CC pepsinogen secretion for treating ulcer or reflux oesophagitis. This
 CC sequence represents a human prokineticin 1 receptor protein of the
 CC invention.
 XX Sequence 86 AA;
 SQ
 Query Match 100.0%; Score 86; DB 8; Length 86;
 Best Local Similarity 100.0%; Pred. No. 2.9e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
 Db 1 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 Db 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 RESULT 13
 ADW00759
 ID ADM00759 standard; protein; 86 AA.
 XX
 AC ADM00759;
 XX
 DT 10-MAR-2005 (first entry)
 XX
 DE Amino acid sequence of human prokineticin 1 (PK1).
 XX
 KW antidiabetic; anorexia nervosa; anabolic;
 KW eating-disorders-gen.; ZAQ1-1.
 KW Homo sapiens.
 KW WO2004113361-A2.
 XX
 XX 29-DEC-2004.
 XX
 XX 18-JUN-2004; 2004WO-US019870.
 XX
 XX 20-JUN-2003; 2003US-0480239P.
 XX

PA (REGC) UNIV CALIFORNIA.
 XX Zhou Q;
 XX WPI; 2005-048810/05.
 XX Novel isolated short and long isoforms of two forms of prokineticin
 PT receptor (PKR) polypeptide, e.g., PKR2 long isoform, PKR2 short isoform
 PT and PKR1 short isoform polypeptides, useful for identifying PKR1 and PKR2
 PT agonists/antagonists.
 XX Disclosure; Fig 2; 42pp; English.
 XX The specification describes short and long isoforms of two forms of
 CC prokineticin receptor (PKR), PKR2 and PKR1. PKR polypeptides are useful
 CC for identifying PKR1 and PKR2 agonists or antagonists. PKR polypeptides
 CC are useful for drug discovery and diagnostic testing, and as drug targets
 CC or as diagnostic markers. Antibodies binding long or short isoforms of
 CC PKR2 are useful for therapeutic applications for blocking the activity of
 CC PKR, and for modulating gastro-intestinal smooth muscle contraction or
 CC motility, circadian rhythm function, angiogenesis or gastric acid or
 CC pepsinogen secretion. The present sequence represents prokineticin 1
 CC (PK1), a PKR agonist.
 XX Sequence 86 AA;
 SQ
 Query Match 100.0%; Score 86; DB 9; Length 86;
 Best Local Similarity 100.0%; Pred. No. 2.9e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
 Db 1 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 Db 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 RESULT 14
 ADZ58575
 ID ADZ58575 standard; protein; 86 AA.
 XX
 AC ADZ58575;
 XX
 DT 14-JUL-2005 (first entry)
 XX
 DE Human ZAQ1-1 amino acid sequence - SEQ ID 2.
 XX
 KW monocular antibody; cerebrovascular disease; senile dementia; nootropic;
 KW Alzheimer's disease; neuroprotective; parkinsons disease;
 KW antiparkinsonian; cerebrovascular ischemia; cerebroprotective;
 KW vasotropic; psychiatric disorder; insomnia; sedative; schizophrenia;
 KW neuroleptic; phobia; tranquilizer; obesity; anorectic; arteriosclerosis;
 KW antiarteriosclerotic; diabetes; antidiabetic; anorexia nervosa; anabolic;
 KW eating-disorders-gen.; ZAQ1-1.
 XX
 OS Homo sapiens.
 XX WO2005037870-A1.
 PN
 XX 28-APR-2005.
 XX
 XX 21-OCT-2004; 2004WO-JP015961.
 XX
 XX 22-OCT-2003; 2003JP-00361639.
 XX
 XX (TAKE) TAKEDA PHARM CO LTD.
 XX
 XX Matsumoto H, Noguchi J, Masuda Y;
 XX WPI; 2005-322854/33.
 XX

PT Novel monoclonal antibody capable of specifically reacting with human
PT ZAQL-2 polypeptide or its salt, useful for diagnosing and treating
PT diseases such as Alzheimer's disease and mental illness.
XX
XX
XX Claim 3; SEQ ID NO 2; Sipp; Japanese.
XX
CC The invention comprises a monoclonal antibody which is capable of
CC specifically recognizes human ZAQL-2 protein. The monoclonal antibody of
CC the invention is useful in the diagnosis and treatment of a human ZAQL-2-
CC related disease, such as: cerebral diseases (e.g. senile dementia, or
CC Alzheimer's disease), cerebral-circulation failure (e.g. cerebral
CC apoplexy), mental illness (e.g., insomnia, schizophrenia, or phobia),
CC mobility impairment (e.g. Parkinson's disease), obesity,
CC arteriosclerosis, diabetes, anorexia, endocrinopathy, and hyperphagia.
CC The present amino acid sequence represents a human ZAQL-1 protein.
XX
XX
SQ Sequence 86 AA;

Query Match 100.0%; Score 86; DB 9; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
|||||
DB 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
|||||

QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
|||||
DB 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
|||||

RESULT 15

AE45594
ID AEB45594 standard; protein; 86 AA.

XX AEB45594;
AC AEB45594;

DT 22-SEP-2005 (first entry)
DE Human Zven2 protein fragment.

XX Therapeutic; gastroparesis; intestinal pseudo-obstruction; ileus;
KW gastrointestinal-gen.; gastrointestinal disease; dyspepsia;
KW gastroesophageal reflux; antiinflammatory; constipation; laxative; Zven2.
OS Homo sapiens.

XX
XX US2005153322-A1.

PN 14-JUL-2005.

PD 16-NOV-2004; 2004US-00990246.

PF 16-NOV-1999; 99US-016590SP.

PR 25-FEB-2000; 2000US-018487SP.

PR 19-APR-2000; 2000US-0197750P.

PR 07-JUN-2000; 2000US-0210332P.

PR 14-NOV-2000; 2000US-00712529.

PR 02-AUG-2002; 2002US-00212355.

XX (ZYMO) ZYMOGENETICS INC.

PA Sheppard PO, Bishop PD;

PI WPI; 2005-521165/53.

XX Stimulating gastrointestinal contractility, gastric emptying or
PT intestinal transit, and treating gastroparesis such as post-operative
PT ileus or paralytic ileus in mammal, involves administering Zven
PT polypeptide to mammal.

XX Claim 18; Page; 40pp; English.

XX

CC The invention relates to a method for stimulating gastrointestinal
CC contractility, gastric emptying or intestinal transit and for treating
CC gastroparesis which involves administering Zven polypeptide to a mammal.
CC The method is useful for stimulating gastrointestinal contractility,
CC gastric emptying or intestinal transit and for treating gastroparesis in
CC a mammal, where the gastroparesis is related to surgery or not related to
CC surgery. The gastroparesis is post-operative ileus or paralytic ileus,
CC related to diabetes, intestinal pseudo-obstruction, chronic constipation,
CC dyspepsia, gastroesophageal reflux or paralytic gastroparesis. The
CC present sequence is the human Zven2 protein fragment.

XX Sequence 86 AA;

SQ Query Match 100.0%; Score 86; DB 9; Length 86;
Best Local Similarity 100.0%; Pred. No. 2.9e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
|||||
DB 1 AVITGACERDVQCGAGTCCATSLWLRLGRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
|||||

QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
|||||

DB 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
|||||

RESULT 16

AE24395
ID AAE24395 standard; protein; 87 AA.

XX AAE24395;
AC AAE24395;

DT 04-OCT-2002 (first entry)
DE Human prokineticin 1 mutant protein #4.

XX Human; prokineticin 1; gastrointestinal motility; intestinal cancer;
KW irritable bowel syndrome; gastrointestinal reflux disease; diarrhoea;
KW diabetic gastroparesis; chronic constipation; malabsorptive disorder;
KW inflammatory bowel disorder; analgesic; infectious disease; mutant;
KW mutcin.

XX Homo sapiens.

OS Synthetic.

XX WO200236625-A2.

XX 10-MAY-2002.

PD 01-NOV-2001; 2001WO-US047969.

PF 03-NOV-2000; 2000US-0245882P.

PR (REGC) UNIV CALIFORNIA.

XX Zhou Q, Ehlert FJ;

XX WPI; 2002-479752/51.

XX New isolated human prokineticin 1 and 2 polypeptides that stimulate
PT gastrointestinal smooth muscle contraction, useful for improving impaired
PT gastrointestinal motility in irritable bowel syndrome, chronic
constipation.

XX Example 1; Page 85-86; 86pp; English.

XX The invention relates to human prokineticin 1 and 2 polypeptides that
CC stimulate gastrointestinal smooth muscle contraction and nucleic acid
CC molecules encoding such polypeptides. Polypeptides of the invention are
CC useful for treating disorders involving impaired gastrointestinal
CC motility. They are useful for stimulating gastrointestinal motility in
CC disorders such as irritable bowel syndrome, diabetic gastroparesis, post-
CC operational ileus, chronic constipation and gastrointestinal reflux

CC disease. The prokineticin antagonists are useful for inhibiting
CC gastrointestinal motility in conditions of diarrhoea, malabsorptive
CC disorders, inflammatory bowel disorders, infectious diseases and
CC intestinal cancers. The antagonists also act as analgesics. The present
CC sequence is human prokineticin 1 mutant protein
XX
SQ Sequence 87 AA;

Query Match 100.0%; Score 86; DB 5; Length 87;
Best Local Similarity 100.0%; Pred. No. 3e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
DB |||||||||||||||||||||||||||||||||||||||||||||||||||||||||

2 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 61

QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86

DB |||||||||||||||||||||||||||||||||||||||||||||||||||||||||

62 CLPNLLCSRFPPDGRYRCSMDLKNINF 87

RESULT 17

ADS75509

ID ADS75509 standard; protein; 87 AA.

XX ADS75509;

XX 30-DEC-2004 (first entry)

XX Prokineticin receptor antagonist Met PK1.

XX gastric acid; pepsinogen secretion; prokineticin; PK; receptor;

KW Gastrointestinal; gene therapy; ulcer; reflux oesophagitis.

XX Synthetic.

XX WO2004087054-A2.

XX 14-OCT-2004.

XX 25-MAR-2004; 2004WO-US009255.

XX 25-MAR-2003; 2003US-0457891P.

XX (REGC) UNIV CALIFORNIA.

XX Zhou Q;

XX WPI; 2004-729162/71.

XX Modulating gastric acid or pepsinogen secretion for treating ulcer or
PT reflux oesophagitis by administering a prokineticin receptor antagonist to
PT alter one or more indicia of gastric acid or pepsinogen secretion.

PS Claim 5; SEQ ID NO 18; 89pp; English.

XX The invention relates to a novel method for modulating gastric acid or
CC pepsinogen secretion. The method comprises administering a prokineticin
CC (PK) receptor antagonist to alter one or more indicia of gastric acid or
CC pepsinogen secretion. The invention further comprises a method for
CC screening for a compound for modulating gastric acid or pepsinogen
CC secretion in a mammal. The compound of the invention has gastrointestinal
CC activity. Compounds identified by the screening method may be used in
CC gene therapy. The method is useful in modulating gastric acid or
CC pepsinogen secretion for treating ulcer or reflux oesophagitis. This
CC sequence represents a prokineticin receptor antagonist of the invention.

XX Sequence 87 AA;

Query Match 100.0%; Score 86; DB 8; Length 87;
Best Local Similarity 100.0%; Pred. No. 3e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
DB |||||||||||||||||||||||||||||||||||||||||||||||||||||||||

2 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 61

QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86

DB |||||||||||||||||||||||||||||||||||||||||||||||||||||||||

62 CLPNLLCSRFPPDGRYRCSMDLKNINF 87

RESULT 18

AAE24392

ID AAE24392 standard; protein; 89 AA.

XX AAE24392;

XX 04-OCT-2002 (first entry)

XX Human prokineticin 1 mutant protein #1.

XX Human; prokineticin 1; gastrointestinal motility; intestinal cancer;

KW irritable bowel syndrome; gastrointestinal reflux disease; diarrhoea;

KW diabetic gastroparesis; chronic constipation; malabsorptive disorder;

KW inflammatory bowel disorder; analgesic; infectious disease; mutant;

KW mutin.

XX Homo sapiens.

XX Synthetic.

XX WO200236625-A2.

XX 10-MAY-2002.

XX 01-NOV-2003; 2001WO-US047969.

XX 03-NOV-2000; 2000US-0245882P.

XX (REGC) UNIV CALIFORNIA.

XX Zhou Q, Ehler FJ;

XX WPI; 2002-479752/51.

XX New isolated human prokineticin 1 and 2 polypeptides that stimulate

PT gastrointestinal smooth muscle contraction, useful for improving impaired

PT gastrointestinal motility in irritable bowel syndrome, chronic

PT constipation.

XX Example 1; Page 84; 86pp; English.

XX The invention relates to human prokineticin 1 and 2 polypeptides that
CC stimulate gastrointestinal smooth muscle contraction and nucleic acid
CC molecules encoding such polypeptides. Polypeptides of the invention are
CC useful for treating disorders involving impaired gastrointestinal
CC motility. They are useful for stimulating gastrointestinal motility in
CC disorders such as irritable bowel syndrome, diabetic gastroparesis, post-
CC operational ileus, chronic constipation and gastrointestinal reflux
CC disease. The prokineticin antagonists are useful for inhibiting
CC gastrointestinal motility in conditions of diarrhoea, malabsorptive
CC disorders, inflammatory bowel disorders, infectious diseases and
CC intestinal cancers. The antagonists also act as analgesics. The present
CC sequence is human prokineticin 1 mutant protein

XX Sequence 89 AA;

Query Match 100.0%; Score 86; DB 5; Length 89;
Best Local Similarity 100.0%; Pred. No. 3e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 60

DB |||||||||||||||||||||||||||||||||||||||||||||||||||||||||

4 AVITGACERDVCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRKRKHTCP 63

QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86

Db	64	CLPNLLCSRFPDGRYRCSMDLKNINF	89	XX	Membrane-bound protein PRO1186.
RESULT 19				DE	
AD575506				XX	
ID	AD575506	standard; protein; 89 AA.		KW	Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
XX	AC			KW	pharmaceutical; receptor immunoadhesin; gene mapping.
XX	AD575506;			XX	
XX	30-DEC-2004	(first entry)		OS	Homo sapiens.
XX				XX	
XX				PN	WO9963088-A2.
XX				PD	09-DEC-1999.
DE	Prokineticin receptor related synthetic construct protein, SEQ ID 15.			XX	
XX				PF	02-JUN-1999; 99WO-US012252.
KW	gastric acid; pepsinogen secretion; prokineticin; PK; receptor;			XX	
KW	gastrointestinal; gene therapy; ulcer; reflux oesophagitis.			PR	02-JUN-1998; 98US-0087607P.
OS	Synthetic.			PR	02-JUN-1998; 98US-0087609P.
XX				PR	02-JUN-1998; 98US-0087759P.
XX				PR	03-JUN-1998; 98US-0087827P.
XX				PR	04-JUN-1998; 98US-0088021P.
XX				PR	04-JUN-1998; 98US-0088025P.
XX				PR	04-JUN-1998; 98US-0088028P.
XX				PR	04-JUN-1998; 98US-0088029P.
XX				PR	04-JUN-1998; 98US-0088030P.
XX				PR	04-JUN-1998; 98US-0088033P.
XX				PR	04-JUN-1998; 98US-0088326P.
XX				PR	05-JUN-1998; 98US-0088167P.
XX				PR	05-JUN-1998; 98US-0088202P.
XX				PR	05-JUN-1998; 98US-0088212P.
XX				PR	05-JUN-1998; 98US-0088217P.
XX				PR	05-JUN-1998; 98US-0088655P.
XX				PR	09-JUN-1998; 98US-0088722P.
XX				PR	10-JUN-1998; 98US-0088730P.
XX				PR	10-JUN-1998; 98US-0088734P.
XX				PR	10-JUN-1998; 98US-0088738P.
XX				PR	10-JUN-1998; 98US-0088740P.
XX				PR	10-JUN-1998; 98US-0088741P.
XX				PR	10-JUN-1998; 98US-0088742P.
XX				PR	10-JUN-1998; 98US-0088810P.
XX				PR	10-JUN-1998; 98US-0088811P.
XX				PR	10-JUN-1998; 98US-0088824P.
XX				PR	10-JUN-1998; 98US-0088825P.
XX				PR	10-JUN-1998; 98US-0088826P.
XX				PR	11-JUN-1998; 98US-0088858P.
XX				PR	11-JUN-1998; 98US-0088861P.
XX				PR	11-JUN-1998; 98US-0088863P.
XX				PR	11-JUN-1998; 98US-0088876P.
XX				PR	12-JUN-1998; 98US-0089090P.
XX				PR	12-JUN-1998; 98US-0089105P.
XX				PR	16-JUN-1998; 98US-0089440P.
XX				PR	16-JUN-1998; 98US-0089512P.
XX				PR	16-JUN-1998; 98US-0089514P.
XX				PR	17-JUN-1998; 98US-0089532P.
XX				PR	17-JUN-1998; 98US-0089538P.
XX				PR	17-JUN-1998; 98US-0089598P.
XX				PR	17-JUN-1998; 98US-0089599P.
XX				PR	17-JUN-1998; 98US-0089600P.
XX				PR	17-JUN-1998; 98US-0089653P.
XX				PR	18-JUN-1998; 98US-0089801P.
XX				PR	18-JUN-1998; 98US-0089907P.
XX				PR	18-JUN-1998; 98US-0089908P.
XX				PR	19-JUN-1998; 98US-0089947P.
XX				PR	19-JUN-1998; 98US-0089948P.
XX				PR	19-JUN-1998; 98US-0089952P.
XX				PR	22-JUN-1998; 98US-0090246P.
XX				PR	22-JUN-1998; 98US-0090252P.
XX				PR	22-JUN-1998; 98US-0090254P.
XX				PR	23-JUN-1998; 98US-0090349P.
XX				PR	23-JUN-1998; 98US-0090355P.
XX				PR	24-JUN-1998; 98US-0090429P.
XX				PR	24-JUN-1998; 98US-0090431P.
XX				PR	24-JUN-1998; 98US-0090435P.
XX				PR	24-JUN-1998; 98US-0090444P.
XX				PR	24-JUN-1998; 98US-0090445P.
DT	05-APR-2000	(first entry)		PR	
DB	64	CLPNLLCSRFPDGRYRCSMDLKNINF	89	XX	
Query Match		100.0%; Score 86; DB 8; Length 89;			
Best Local Similarity		100.0%; Pred. No. 3e-86;			
Matches	86;	Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
QY	1	AVITGACRDVCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHTCP	60		
DB	4	AVITGACRDVCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFFRKRKHTCP	63		
QY	61	CLPNLLCSRFPDGRYRCSMDLKNINF	86		
DB	64	CLPNLLCSRFPDGRYRCSMDLKNINF	89		
RESULT 20					
AA566745					
ID	AA566745	standard; protein; 105 AA.			
XX					
AC	AA566745;				
XX					
DT	05-APR-2000	(first entry)			

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PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090538P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090576P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090691P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091358P.
PR 02-JUL-1998; 98US-0091360P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091846P.
PR 02-JUL-1998; 98US-0091873P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0092182P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
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PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097951P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.

PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 12-JAN-1999; 98US-0115565P.
XX (GETH ) GENENTECH INC.
XX Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
PI Wood WI, Yuan J;
XX WPI; 2000-072883/06.
XX N-PSDB; AA265091.
XX Membrane-bound proteins and related nucleotide sequences.
XX Claim 12; Fig 266; 822pp; English.
XX The invention provides membrane-bound PRO polypeptides and
CC polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIE
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
CC also be useful for the preparation of PRO polypeptides, especially by
CC recombinant techniques
XX Sequence 105 AA;
SQ
Query Match 100.0%; Score 86; DB 3; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHECHGSHKVPFRKRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHECHGSHKVPFRKRKHTCP 79
QY 61 CLPNLLCSRFPDGRYRCSMDLNINF 86
Db 80 CLPNLLCSRFPDGRYRCSMDLNINF 105
RESULT 21
AAB18453
ID AAB18453 standard; protein; 105 AA.
XX AAB18453;
AC AAB18453;
XX 15-JAN-2001 (first entry)
XX A human TANGO 266 polypeptide.
XX TANGO 266; TANGO 216; TANGO 261; TANGO 262; TANGO 267;
KW cellular proliferation; cellular differentiation; cellular adhesion;
KW von Willebrand factor-associated disorder; cell trafficking; cancer;
KW hematopoietic associated disease; atelectasis; pulmonary congestion;
KW oedema; emphysema; chronic bronchitis; bronchial asthma; bronchiectasis;
KW intestinal disorder; spleen associated disease; renal disorder;
KW cardiovascular disorder; ischemic heart disease; hydrocephalus;
KW brain herniation; iatrogenic disease; inflammation; meningitis;
KW Alzheimer's Disease; cerebral toxoplasmosis; Parkinson's disease;
KW multiple sclerosis; hydrocephalus; encephalitis; hepatic disorder.
XX Homo sapiens.
OS
XX Key Location/Qualifiers
FH Peptide 1..19
FT /note= "signal sequence"
```


FT Protein 20..106
 FT /note= "mature protein"
 PN WO200052022-A1.
 XX
 XX 08-SEP-2000.
 PD
 XX
 XX 01-MAR-2000; 2000WO-US005226.
 PF
 XX
 XX 01-MAR-1999; 99US-0122458P.
 PR
 XX
 XX (MILL-) MILLENNIUM PHARM INC.
 PA
 XX
 XX Barnes TM, Holtzman DA, Sharp JD, Fraser CC;
 PI WPI; 2000-579269/54.
 PT N-PSDB; AAA75155.
 DR
 XX
 XX Novel human and murine secreted proteins designated TANGO 216, 261, 262,
 PT 266 and 267 useful as modulating agents of cellular processes, e.g. for
 PT treating cancer.
 XX
 PS Claim 8; Fig 14; 175pp; English.
 XX
 CC The present sequence represents a human TANGO 266 polypeptide. The
 CC specification also describes TANGO 262, TANGO 216, TANGO 261, and TANGO
 CC 267. The TANGO polypeptides can be used to modulate cellular
 CC proliferation, modulate cellular differentiation and/or modulate cellular
 CC adhesion. The proteins can be used to treat any von Willebrand factor-
 CC associated disorder, regulate extracellular matrix structuring, cellular
 CC adhesion, and cell trafficking and/or migration, modulate cellular
 CC interactions, modulate cell adhesion in proliferative disorders, such as
 CC cancer, modulate the proliferation, differentiation, and/or function of
 CC cells that appear in the bone marrow, and leukocytes, treat bone marrow,
 CC blood and hematopoietic associated diseases and disorders, atelectasis,
 CC pulmonary congestion or oedema, emphysema, chronic bronchitis, bronchial
 CC asthma and bronchiectasis, intestinal disorders, spleen associated
 CC diseases, modulate renal disorders, treat cardiovascular disorders such
 CC as ischemic heart disease, modulate the proliferation, differentiation,
 CC and/or function of bone and cartilage cells and to treat bone and/or
 CC cartilage associated diseases or disorder. They may also be used to treat
 CC disorders associated with the ovaries, cerebral oedema, hydrocephalus,
 CC brain herniations, iatrogenic disease, inflammations, bacterial and viral
 CC meningitis, Alzheimer's Disease, cerebral toxoplasmosis, Parkinson's
 CC disease, multiple sclerosis, brain cancers, hydrocephalus and
 CC encephalitis, and treat hepatic disorders
 XX
 SQ Sequence 105 AA;
 Query Match 100.0%; Score 86; DB 3; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVQCGAGTCCALSILWRLGLRMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
 DB 20 AVITGACERDVQCGAGTCCALSILWRLGLRMCTPLGREGECHPGSHKVPFFRRKRKHTCP 79
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 DB 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105
 Query Match 100.0%; Score 86; DB 3; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVQCGAGTCCALSILWRLGLRMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
 DB 20 AVITGACERDVQCGAGTCCALSILWRLGLRMCTPLGREGECHPGSHKVPFFRRKRKHTCP 79
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 DB 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105
 RESULT 22
 AAB70148
 ID AAB70148 standard; protein; 105 AA.
 XX
 AC AAB70148;
 XX
 XX 29-MAY-2001 (first entry)
 DT
 XX
 DE Human G protein-coupled receptor protein-related sequence #4.
 XX
 XX Human; G protein-coupled receptor protein; nootropic; neuroprotective;

KW hypotensive; orexigenic; anti-allergic; anti-angiogenic; antimicrobial;
 KW antibacterial; gene therapy; Alzheimer's disease; hypertension; anorexia;
 KW allergy; angina pectoris; infection; MRSA;
 KW multiple resistant Staphylococcus aureus.
 XX
 OS Homo sapiens.
 XX
 PN WO200116309-A1.
 XX
 XX 08-MAR-2001.
 PD
 XX
 XX 24-AUG-2000; 2000WO-JP005685.
 PF
 XX
 XX 27-AUG-1999; 99JP-00241531.
 PR
 XX 18-JUL-2000; 2000JP-00217474.
 PR
 XX
 XX (TAKE) TAKEDA CHEM IND LTD.
 PA
 XX
 XX Watanabe T, Terao Y, Shintani Y;
 PI WPI; 2001-226684/23.
 DR
 XX
 XX New human brain-originated guanosine triphosphate protein-coupled
 PT receptor protein, its salt and encoded gene, useful in (gene) diagnosis
 PT and development of preventives and remedies for Alzheimer's disease,
 PT hypertension and anorexia.
 XX
 PS Example 4; Page 113; 119pp; Japanese.
 XX
 CC The present sequence is provided in a specification relating to a protein
 CC or its salt with an amino acid sequence identical or substantially
 CC similar to a fully defined sequence of 393 amino acids as given in the
 CC specification. The protein is useful in gene diagnosis and development of
 CC preventives and remedies for diseases associated with dysfunction of the
 CC protein, e.g. Alzheimer's disease, hypertension, anorexia, allergy,
 CC angina pectoris and infections (e.g. multiple resistant Staphylococcus
 CC aureus). The proteins and DNA encoding the proteins are also useful for
 CC the treatment of these diseases by gene therapy
 XX
 SQ Sequence 105 AA;
 Query Match 100.0%; Score 86; DB 4; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVQCGAGTCCALSILWRLGLRMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
 DB 20 AVITGACERDVQCGAGTCCALSILWRLGLRMCTPLGREGECHPGSHKVPFFRRKRKHTCP 79
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 DB 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105
 RESULT 23
 AAB68427
 ID AAB68427 standard; protein; 105 AA.
 XX
 AC AAB68427;
 XX
 XX 23-JUL-2001 (first entry)
 DT
 XX
 DE Amino acid sequence of a human Zven2 polypeptide.
 XX
 XX Zven1; 3p1.1; 3p14.3; Zven2; small cell lung cancer; wound healing;
 KW antitumour; anti-inflammatory; necrosis; tissue growth; digestive enzyme;
 KW cellular differentiation; gastrointestinal cell contractility;
 KW gastrointestinal motility; inflammation; hypermotility; diarrhoea;
 KW Crohn's disease.
 XX
 OS Homo sapiens.
 XX
 PN WO200136465-A2.

```
XX PD 25-MAY-2001.
XX PF 14-NOV-2000; 2000WO-US031278.
XX XX
XX PR 16-NOV-1999; 99US-00442164.
XX PR 25-FEB-2000; 2000US-00511879.
XX PR 19-APR-2000; 2000US-00552203.
XX PR 07-JUN-2000; 2000US-0210332P.
XX PA (ZYMO ) ZYMOGENETICS INC.
XX XX
XX PI Sheppard PO, Bishop PD, Whitmore TE, Thompson PP;
XX XX
XX DR WPI; 2001-355611/37.
XX DR N-PSDB; AAF85427.
XX XX
XX PT Novel isolated Zven polypeptide useful for inhibiting proliferation of
XX PT tumor cells, for treating small cell cancer of lung, to promote wound
XX PT healing, and for treating Crohn's disease and diarrhea.
XX PS Claim 27; Page 4; 98pp; English.
XX CC The present sequence represents a human Zven2 polypeptide. The
XX CC specification also describes Zven1. The Zven1 gene is present on
XX CC chromosome 3p21.1-3p14.3. The specification also describes Zven2. Zven
XX CC polynucleotides and polypeptides are useful in veterinary and human
XX CC therapeutics, for treating small cell cancer of the lung, to promote
XX CC wound healing, to prevent or to treat an adverse reaction of the skin to
XX CC a skin-sensitizing agent or a skin-irritating agent, to stimulate the
XX CC immune system of an immunocompromised individual, as antitumour agents,
XX CC as antiinflammatory agents, as agents to regulate regeneration or
XX CC remodeling of tissue, as agents to modulate necrosis or tissue growth
XX CC developmental arrest, to inhibit proliferation of tumour cells, cellular
XX CC differentiation and necrosis, to treat disorders associated with
XX CC gastrointestinal cell contractility, secretion of digestive enzymes and
XX CC acids, gastrointestinal motility, recruitment of digestive enzymes,
XX CC inflammation, and conditions associated with hypermotility such as
XX CC diarrhoea and Crohn's disease
XX SQ Sequence 105 AA;
Query Match 100.0%; Score 86; DB 4; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86; Indels 0; Gaps 0;
Matches 86; Conservative 0; Mismatches 0;
QY 1 AVITGACERDVQCGAGTCCAISLWRLGRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCAISLWRLGRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79
QY 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
Db 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
RESULT 24
AAU12406
ID AAU12406 standard; protein; 105 AA.
XX XX
XX AC AAU12406;
XX XX
XX DT 24-OCT-2001 (first entry)
XX XX
XX DE Human PRO1186 polypeptide sequence.
XX KW Human secretory and transmembrane; PRO; mammalian; cancer; lung; breast;
XX KW prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;
XX KW ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;
XX KW A-peptide; factor VIIA; gene therapy.
XX OS Homo sapiens.
XX XX
XX WO200140466-A2.
```

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XX PD 07-JUN-2001.
XX PF 01-DEC-2000; 2000WO-US032678.
XX XX
XX PR 01-DEC-1999; 99WO-US028301.
XX PR 01-DEC-1999; 99WO-US028634.
XX PR 02-DEC-1999; 99WO-US028551.
XX PR 02-DEC-1999; 99WO-US028564.
XX PR 02-DEC-1999; 99WO-US028565.
XX PR 09-DEC-1999; 99US-0170262P.
XX PR 16-DEC-1999; 99WO-US030095.
XX PR 20-DEC-1999; 99WO-US030911.
XX PR 20-DEC-1999; 99WO-US030999.
XX PR 30-DEC-1999; 99WO-US031243.
XX PR 30-DEC-1999; 99WO-US031274.
XX PR 05-JAN-2000; 2000WO-US000219.
XX PR 06-JAN-2000; 2000WO-US000277.
XX PR 06-JAN-2000; 2000WO-US000376.
XX PR 11-FEB-2000; 2000WO-US003565.
XX PR 18-FEB-2000; 2000WO-US004341.
XX PR 18-FEB-2000; 2000WO-US004342.
XX PR 22-FEB-2000; 2000WO-US004414.
XX PR 24-FEB-2000; 2000WO-US004914.
XX PR 24-FEB-2000; 2000WO-US005004.
XX PR 01-MAR-2000; 2000WO-US005601.
XX PR 02-MAR-2000; 2000WO-US005841.
XX PR 03-MAR-2000; 2000US-0187202P.
XX PR 10-MAR-2000; 2000WO-US006319.
XX PR 15-MAR-2000; 2000WO-US006884.
XX PR 20-MAR-2000; 2000WO-US007377.
XX PR 21-MAR-2000; 2000WO-US007532.
XX PR 30-MAR-2000; 2000WO-US008439.
XX PR 17-MAY-2000; 2000WO-US013705.
XX PR 22-MAY-2000; 2000WO-US014042.
XX PR 30-MAY-2000; 2000WO-US014941.
XX PR 02-JUN-2000; 2000WO-US015264.
XX PR 05-JUN-2000; 2000US-0209832P.
XX PR 28-JUL-2000; 2000WO-US020710.
XX PR 11-AUG-2000; 2000WO-US022031.
XX PR 23-AUG-2000; 2000WO-US023522.
XX PR 24-AUG-2000; 2000WO-US023328.
XX PR 08-NOV-2000; 2000WO-US030952.
XX PR 10-NOV-2000; 2000WO-US030873.
XX PA (GETH ) GENENTECH INC.
XX XX
XX PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
XX PI Gerritsen ME, Goddard A, Godowski PU, Gurney AL, Sherwood S;
XX PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX XX
XX DR WPI; 2001-408281/43.
XX DR N-PSDB; AAS21478.
XX XX
XX PT Isolated , secretory and transmembrane PRO polypeptide used to detect
XX PT other PRO polypeptides, link bioactive molecules to cells expressing PRO
XX PT polypeptides, and detect the presence of mammalian tumors e.g. lung,
XX PT breast, prostate, cervical.
XX XX
XX PS Claim 12; Fig 470; 813pp; English.
XX XX
XX CC AAU12172-AAU12446 represent novel human secretory and transmembrane PRO
XX CC polypeptides. The PRO polypeptides are useful to detect other PRO
XX CC polypeptides, to link bioactive molecules to cells expressing PRO
XX CC polypeptides, to modulate biological activities of cells expressing PRO
XX CC polypeptides, and to detect the presence of mammalian lung, colon,
XX CC breast, prostate, rectal, cervical or liver tumours by comparing PRO
XX CC polypeptide expression in a cell sample to that in a control sample. Some
XX CC of the 275 sequences are also useful to stimulate the release of tumour
XX CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or
XX CC differentiation of chondrocytes, the proliferation or gene expression in
XX CC pericyte cells, the release of proteoglycans from cartilage, the
XX CC proliferation of inner ear utricular supporting cells or of T-
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CC lymphocytes, the release of a cytokine from peripheral blood monocytes
CC (PBMCs), or the proliferation of endothelial cells. Some of the PRO
CC polypeptides may modulate glucose or free fatty acid uptake by skeletal
CC muscle cells or by adipocytes; or inhibit binding of A-peptide to factor
CC VIIA. The PRO polypeptides can be used in assays to identify molecules
CC involved in binding interactions. The polynucleotides encoding PRO
CC polypeptides can be used to generate probes, antisense RNA/DNA,
CC transgenic or knock out animals and can be used in gene therapy
XX
XX Sequence 105 AA;
Query Match 100.0%; Score 86; DB 4; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKRKHTTCP 60
DB 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKRKHTTCP 79
QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRFDPGRYRCSMDLKNINF 105
RESULT 25
ID AAB53096
XX AAB53096 standard; protein; 105 AA.
AC AAB53096;
XX
XX 28-FEB-2001 (first entry)
XX Human angiogenesis-associated protein PRO1186, SEQ ID NO:165.
XX Human; angiogenesis-associated protein; PRO; endothelial cell growth;
KW cardiac hypertrophy; cardiovascular disorder; endothelial disorder;
KW angiogenic disorder; atherosclerosis; osteoporosis; hypertension;
KW myocardial infarction; diabetic retinopathy; rheumatoid arthritis;
KW Crohn's disease; psoriasis; endometriosis; ulcer; wound healing; cancer;
KW Alzheimer's disease; Huntington's disease; stroke; drug screening;
KW gene therapy; transgenic animal.
XX
XX Homo sapiens.
OS
XX WO200053753-A2.
XX
XX 14-SEP-2000.
PD
XX 05-JAN-2000; 2000WO-US000219.
PF
XX 08-MAR-1999; 99WO-US0005028.
PR 12-MAR-1999; 99US-0123957P.
PR 14-MAY-1999; 99US-0134287P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
XX
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Ferrara N, Gerber H, Goddard A;
PI Godowski PJ, Gurney AL, Hillan KJ, Kuo SS, Mark MR, Marsters SA;
PI Paoni NF, Pitti RM, Watanabe CK, Williams FM, Wood WI;
XX

DR WPI; 2001-090793/10.
XX N-PSDB; AAC97496.
XX New isolated nucleic acid for producing a PRO polypeptide, analyzing
PT genetic disorders and treating cardiovascular, endothelial or angiogenic
PT disorders, such as atherosclerosis, wounds or cancer.
XX
PS Claim 69; Fig 66; 293pp; English.
XX
XX The invention relates to novel human angiogenesis-associated proteins
CC designated PRO proteins (AAB53064-B53097), and to nucleic acids encoding
CC PRO proteins. The invention also relates to vectors and host cells
CC comprising a PRO nucleic acid, the recombinant production of a PRO
CC protein, PRO antibodies specific for a PRO protein, fusion proteins
CC comprising a PRO protein, agonists or antagonists of a PRO protein, and
CC compounds which inhibit the expression of a PRO gene. The invention
CC additionally encompasses methods of identifying modulators of PRO
CC expression or activity; diagnosing a cardiovascular, endothelial or
CC angiogenic disorder, or a susceptibility to such a disorder by detecting
CC mutations in a PRO gene, or the expression level of a PRO gene within a
CC particular tissue; treating a cardiovascular, endothelial or angiogenic
CC disorder via the administration of a PRO protein, PRO nucleic acid, or
CC PRO agonist or antagonist; a retroviral gene therapy vector comprising a
CC PRO nucleic acid; and methods of inhibiting or stimulating endothelial
CC cell growth, cardiac hypertrophy or PRO-induced angiogenesis via the
CC administration of a PRO protein, or an agonist or antagonist thereof. PRO
CC nucleic acids, PRO proteins, antibodies against PRO proteins, PRO
CC agonists and PRO antagonists may be used as therapeutic agents to treat
CC cardiovascular, endothelial or angiogenic disorders, such as
CC atherosclerosis, osteoporosis, myocardial infarction, hypertension,
CC diabetic retinopathy, rheumatoid arthritis, Crohn's disease, psoriasis,
CC endometriosis, ulcers, wounds, cancer, Alzheimer's disease, Huntington's
CC disease, or stroke. PRO nucleic acids are additionally useful in the
CC recombinant production of PRO proteins, as hybridisation probes to screen
CC libraries to isolate cDNAs with sequence identity to PRO proteins, to map
CC genes encoding PRO proteins, to analyse genetic disorders, and in gene
CC therapy. PRO nucleic acids can also be used to produce transgenic animals
CC useful for the development and screening of potential therapeutic agents.
CC The present sequence represents a PRO protein of the invention
XX
XX Sequence 105 AA;
Query Match 100.0%; Score 86; DB 4; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKRKHTTCP 60
DB 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKRKHTTCP 79
QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRFDPGRYRCSMDLKNINF 105
RESULT 26
ID AAB65268
XX AAB65268 standard; protein; 105 AA.
AC AAB65268;
XX
XX 02-APR-2001 (first entry)
DT
XX Human PRO1186 (UNQ600) protein sequence SEQ ID NO:371.
DE
XX Human; secreted and transmembrane protein; PRO; cytostatic; cell death;
KW cancer; chromosomal mapping; gene mapping; tissue typing;
KW diagnostic assay.
XX
XX Homo sapiens.
OS
XX WO200073454-A1.
PN
XX

PD 07-DEC-2000.

XX PF 30-MAR-2000; 2000WO-US008439.

XX PF 02-JUN-1999; 99WO-US012252.

PR 23-JUN-1999; 99US-0141037P.

PR 07-JUL-1999; 99US-0143048P.

PR 20-JUL-1999; 99US-0144758P.

PR 26-JUL-1999; 99US-0145698P.

PR 28-JUL-1999; 99US-0146222P.

PR 17-AUG-1999; 99US-0149396P.

PR 15-SEP-1999; 99WO-US021090.

PR 15-SEP-1999; 99WO-US021547.

PR 08-OCT-1999; 99US-0158663P.

PR 30-NOV-1999; 99WO-US028313.

PR 01-DEC-1999; 99WO-US028301.

PR 16-DEC-1999; 99WO-US030095.

PR 20-DEC-1999; 99WO-US030911.

PR 05-JAN-2000; 2000WO-US000219.

PR 06-JAN-2000; 2000WO-US000376.

PR 11-FEB-2000; 2000WO-US003565.

PR 18-FEB-2000; 2000WO-US004341.

PR 22-FEB-2000; 2000WO-US004414.

PR 24-FEB-2000; 2000WO-US004914.

PR 24-FEB-2000; 2000WO-US005004.

PR 02-MAR-2000; 2000WO-US005841.

PR 15-MAR-2000; 2000WO-US006884.

PR 20-MAR-2000; 2000WO-US007377.

XX (GETH) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Deenoyers L, Eaton DL;

PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;

PI Grimaldi CJ, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NF;

PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;

PI Zhang Z;

XX WPI; 2001-032160/04.

DR N-PSDB; AAF44237.

XX

PT PRO polynucleotides used to produce polypeptides used to target bioactive

PT molecules such as toxins, radiolabels or antibodies, to specific cells,

PT to cause targeted cell death.

XX

PS Claim 12; Fig 266; 935pp; English.

XX

CC The present invention describes human secreted and transmembrane PRO

CC proteins. The PRO proteins have cytostatic activity. The PRO proteins can

CC be used for targeted delivery of bioactive molecules, such as toxins,

CC radiolabels or antibodies, that cause cell death. PRO nucleotide

CC sequences, and their fragments, can be used as hybridisation probes, in

CC chromosomal and gene mapping, and in the generation of anti-sense RNA and

CC DNA. They may also be used to produce transgenic animals which are used

CC to develop and screen therapeutically useful reagents. The PRO nucleotide

CC and protein sequence can be used for tissue typing and in treating

CC cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to

CC AAF44470 represent PCR primers and hybridisation probes used in the

CC isolation of human PRO sequences. AAF44087 to AAF44269 and AAF65154 to

CC AAF65300 represent human PRO polynucleotide and protein sequences given

CC in the exemplification of the present invention

XX

SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 4; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.5e-86;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCATSLWRLGRLMCTPLGREGECHPGSHKVPFFRRKHHHTCP 60

DB 20 AVITGACERDVCGAGTCCATSLWRLGRLMCTPLGREGECHPGSHKVPFFRRKHHHTCP 79

QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86

Db 80 CLPNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 27

AA48175

ID AAB48175 standard; protein; 105 AA.

XX

AC AAB48175;

XX 02-APR-2001 (first entry)

XX Human PRO1186 polypeptide.

XX PRO1186; PRO184; neoplastic; cell growth; tumour; cancer; breast;

KW ovarian; renal; colorectal; uterine; prostate; lung; melanoma;

KW central nervous system; leukemia; antitumor; cytostatic.

XX

OS Homo sapiens.

XX

XX Location/Qualifiers

Key 1..19

Peptide /note= "signal sequence"

FT Protein 20..105

FT /note= "mature protein"

FT Modified-site 33..39

FT /note= "N-myristoylation site"

FT Modified-site 35..41

FT /note= "N-myristoylation site"

FT Modified-site 46..52

FT /note= "N-myristoylation site"

FT Modified-site 88..95

FT /note= "tyrosine kinase phosphorylation site"

XX

XX WO2000075327-A1.

XX

XX 14-DEC-2000.

XX

XX 24-FEB-2000; 2000WO-US004914.

XX

XX 02-JUN-1999; 99WO-US012252.

XX 26-JUL-1999; 99US-0145698P.

PR 05-JAN-2000; 2000WO-US000219.

XX

XX (GETH) GENENTECH INC.

XX

XX Ashkenazi AJ, Hillan KJ, Napier MA, Watanabe CK, Wood WI;

PI WPI; 2001-071078/08.

DR N-PSDB; AAC84469.

XX

PT Compositions for inhibiting neoplastic cell growth and treating tumor, a

PT cancer, comprises novel PRO1186 or PRO184 polypeptides or its agonist.

XX

PS Claim 31; Fig 2; 104pp; English.

XX

XX The invention provides PRO1186 and PRO184 polypeptides that can be used

CC for the inhibition of neoplastic cell growth and for treating tumours.

CC The PRO polypeptides can be expressed by standard recombinant

CC methodology. The PRO polypeptides or their agonists are useful for

CC inhibition of neoplastic cell growth and for treating tumours, cancers

CC such as breast, ovarian, renal, colorectal, uterine, prostate, lung,

CC bladder or central nervous system cancers or melanoma and leukemia. The

CC present sequence represents the human PRO1186 polypeptide (encoding CDNA

CC clone ID: DNA60621-1516)

XX

SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 4; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.5e-86;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCATSLWRLGRLMCTPLGREGECHPGSHKVPFFRRKHHHTCP 60

Db 20 AVITGACERDVQCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRRKRKHHTCP 79
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 |||||
 Db 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105
 |||||
 RESULT 28
 AAB48067
 ID AAB48067 standard; protein; 105 AA.
 AC AAB48067;
 XX
 DT 19-MAR-2001 (first entry)
 XX Human extracellular signaling molecule (EXCS) (ID 2006548CD1).
 DE
 XX Extracellular signaling molecule; EXCS; anti-inflammatory; human;
 KW immunosuppressive; cytostatic; neuroprotective; gastrointestinal;
 KW viricide; antibacterial; anti-HIV; human immunodeficiency virus;
 KW antinfertility; cerabroprotective; nootropic; antiulcer; antifungal;
 KW anticonvulsant; tranquilizer; neuroleptic; vasotropic; gynecological;
 KW keratolytic; protozoacide; gene therapy.
 XX
 OS Homo sapiens.
 XX
 PN WO200070049-A2.
 XX
 PD 23-NOV-2000.
 XX
 PF 19-MAY-2000; 2000WO-US013975.
 XX
 PR 19-MAY-1999; 99US-0134949P.
 PR 15-JUL-1999; 99US-0144270P.
 PR 30-JUL-1999; 99US-0145700P.
 PR 04-OCT-1999; 99US-0157508P.
 XX
 PA (INCY-) INCYTE GENOMICS INC.
 XX
 PI Tang YT, Yue H, Lal P, Burford N, Bandman O, Baughn MR;
 PI Azimzai Y, Lu DAM, Patterson C;
 XX
 DR WPI; 2001-025021/03.
 DR N-PSDB; AAC84303.
 XX
 PT New human extracellular signaling nucleic acids and polypeptides useful
 PT for diagnosing, treating and preventing infections and gastrointestinal,
 PT neurological, reproductive, and autoimmune/inflammatory disorders.
 XX
 PS Claim 1; Page 89; 114pp; English.
 XX
 CC The invention provides human extracellular signaling molecules (EXCS) and
 CC polynucleotides which identify and encode EXCS. EXCS can be expressed by
 CC standard recombinant methodology. The amino acid and nucleic acid
 CC sequences of EXCS are useful for diagnosing, treating and preventing
 CC infections and gastrointestinal (peptic ulcer, dysphagia, pancreatitis),
 CC neurological (e.g. epilepsy, ischemic cerebrovascular disease, stroke),
 CC reproductive (infertility, ovulatory defects, endometriosis), autoimmune
 CC /inflammatory (actinic keratosis, acquired immunodeficiency syndrome
 CC (AIDS), Addison's disease), and cell proliferative disorders including
 CC cancers (of the breast, adrenal gland, bone). They may also be used to
 CC treat fatal familial insomnia, nutritional and metabolic diseases of the
 CC nervous system, myopathies, mental disorders (anxiety, schizophrenia,
 CC mood), as well as infections caused by parasites (malaria, leishmania,
 CC trypanosoma), viral (adenovirus, coronavirus, flavivirus), bacterial
 CC (e.g. pneumococcus, staphylococcus, bacillus), and fungal (aspergillus,
 CC blastomyces, dermatophytes) agents. The nucleic acids, polypeptides,
 CC antagonists, agonists, pharmaceutical compositions, and antibodies may
 CC also be used for treating or preventing disorders associated with
 CC increased or decreased expression or activity of EXCS. EXCS
 CC polynucleotides may also be used to detect and quantify gene expression
 CC in biopsied tissues in which expression of EXCS may be correlated with
 CC the disease, to determine presence or excess expression of EXCS, to

CC monitor regulation of EXCS levels during therapeutic intervention, to
 CC detect the presence of associated disorders, as targets in microarray, to
 CC generate hybridization probes, and to detect differences in gene
 CC sequences among normal, carrier or affected individuals. Antibodies may
 CC also be used in diagnosing disorders, in monitoring patients being
 CC treated with EXCS agonists, antagonists or inhibitors. Sequences AAB48057
 CC -B48082 represent the EXCS of the invention
 XX
 SQ Sequence 105 AA;
 Query Match 100.0%; Score 86; DB 4; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVQCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRRKRKHHTCP 60
 |||||
 Db 20 AVITGACERDVQCGAGTCCCAISLWLRLMCTPLGREGECHPGSHKVPFFRRKRKHHTCP 79
 |||||
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 |||||
 Db 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105
 |||||
 RESULT 29
 AAM50773
 ID AAM50773 standard; protein; 105 AA.
 XX
 AC AAM50773;
 XX
 DT 23-APR-2002 (first entry)
 XX
 DE Endocrine gland-derived vascular endothelial growth factor.
 XX
 KW Endocrine gland-derived vascular endothelial growth factor; EG-VEGF;
 KW human; cell proliferation; cell migration; fenestration;
 KW cell differentiation; angiogenesis; chemotaxis; endocrine; infertility;
 KW fertility; polycystic ovary syndrome; ovarian cyst; cancer; cytostatic;
 KW diagnosis; therapy.
 XX
 OS Homo sapiens.
 XX
 FH Key Location/Qualifiers
 FT Peptide 1..19 /label= signal_peptide
 FT Protein 20..105 /label= Mature_protein
 FT Modified-site 33 /note= "N-myristoylated"
 FT Modified-site 35 /note= "N-myristoylated"
 FT Modified-site 46 /note= "N-myristoylated"
 FT
 XX WO2000200711-A2.
 PN
 XX 03-JAN-2002.
 PD
 XX 22-JUN-2001; 2001WO-US020116.
 PF
 XX 23-JUN-2000; 2000US-0213637P.
 PR 07-SEP-2000; 2000US-0230978P.
 PR 01-DEC-2000; 2000WO-US032678.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Ferrara N, Watanabe C, Wood WI;
 XX WPI; 2002-130882/17.
 DR N-PSDB; ABA91567.
 XX
 PT New endocrine gland-vascular endothelial growth factor (EG-VEGF)
 PT polypeptides, agonists and antagonists, useful for regulating fertility,
 PT and for treating cancer of the reproductive organs, e.g. ovarian or

PT prostate cancer.
 XX Claim 12; Fig 2; 133pp; English.
 XX
 CC The present sequence is that of a novel, tissue-restricted, growth and
 CC endothelial growth factor (EG-VEGF). The sequence is predicted from the
 CC open reading frame of a cDNA clone (see ABA91567) obtained from an
 CC ovarian tissue library. EG-VEGF induces proliferation, migration and
 CC fenestrations in capillary endothelial cells derived from endocrine
 CC glands, but has no effect on a variety of other endothelial and non-
 CC endothelial cell types tested. The EG-VEGF precursor has a predicted
 CC mol.wt. of 11715 and a pI of 9.05. The mature protein (mol.wt. 8600) is
 CC cysteine-rich and is predicted to consist of a series of short beta
 CC strands with large connecting loops held together by disulfide bonds
 CC resulting in a flat fold with finger-like projections that act as
 CC interactive surfaces. 80% Homology and 63% identity is shown to venom
 CC protein A (VPRA) of the black mamba snake, and 76% homology and 58%
 CC identity to human protein Bv8. EG-VEGF nucleic acids and polypeptides, as
 CC well as agonists and antagonists, can be used in the treatment of
 CC conditions associated with hormone-producing tissue, especially ovarian,
 CC testicular, cervical, adrenal, placental or prostate tissue. The
 CC condition may be polycystic ovary syndrome, cancer, especially ovarian
 CC cancer, testicular cancer, prostate cancer or uterine cancer, or ovarian
 CC cyst (all claimed). Fertility can be regulated using an EG-VEGF
 CC antagonist to inhibit follicle maturation or ovulation. Methods are
 CC claimed for identifying compounds that modulate EG-VEGF activity,
 CC especially the ability to induce phosphorylation of a kinase involved in
 CC cell proliferation or survival, to induce chemotaxis, angiogenesis, or
 CC cell differentiation, or to induce endothelial cell proliferation
 XX
 SQ Sequence 105 AA;
 Query Match 100.0%; Score 86; DB 5; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP 60
 DB 20 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP 79
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 DB 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105
 RESULT 30
 AAU83674
 ID AAU83674 standard; protein; 105 AA.
 XX
 AC AAU83674;
 XX
 DT 08-MAY-2002 (first entry)
 XX
 DE Human PRO protein, Seq ID No 166.
 XX
 KW Human; secreted protein; PRO; tumour; lung cancer; colon cancer;
 KW breast cancer; prostate tumour; rectal tumour; liver tumour;
 KW pericyte cell proliferation; chondrocyte cell proliferation;
 KW tumour necrosis factor-alpha.
 XX
 OS Homo sapiens.
 XX
 XX WO200208288-A2.
 XX
 XX 31-JAN-2002.
 XX
 XX 29-JUN-2001; 2001WO-05021066.
 XX
 XX 20-JUL-2000; 2000US-0219556P.
 XX 25-JUL-2000; 2000US-0220585P.
 XX 25-JUL-2000; 2000US-0220605P.
 XX 25-JUL-2000; 2000US-0220607P.

PR 25-JUL-2000; 2000US-0220624P.
 PR 25-JUL-2000; 2000US-0220638P.
 PR 25-JUL-2000; 2000US-0220664P.
 PR 25-JUL-2000; 2000US-0220666P.
 PR 26-JUL-2000; 2000US-0220893P.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 01-AUG-2000; 2000US-0222425P.
 PR 22-AUG-2000; 2000US-0227133P.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 28-NOV-2000; 2000US-0253646P.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 22-MAR-2001; 2001US-00816744.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001WO-US017092.
 XX (GETH) GENENTECH INC.
 PA Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
 PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
 XX WPI; 2002-172001/22.
 DR N-PSDB; ABK33618.
 XX
 PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
 PT useful for treating a PRO related disorder and for diagnosing tumors such
 PT as lung cancer, colon cancer, breast tumor, prostate tumor, rectal tumor
 PT or liver tumor.
 XX
 PS Claim 11; Fig 166; 359pp; English.
 XX
 CC The invention relates to one hundred and twenty two nucleic acids
 CC encoding PRO polypeptides. The sequences of the 122 PRO polynucleotides
 CC encode human secreted proteins. The PRO nucleic acids, polypeptides,
 CC agonists and antagonists are useful for treating a PRO related disorder.
 CC The PRO polypeptides are useful for diagnosing tumours, especially lung
 CC cancer, colon cancer, breast tumor, prostate tumor, rectal tumor or
 CC liver tumor. The PRO polypeptides are useful for stimulating the
 CC proliferation of, or gene expression, in pericyte cells, for stimulating
 CC the proliferation or differentiation of chondrocyte cells, for
 CC stimulating the release of tumour necrosis factor-alpha from human blood,
 CC for stimulating or inhibiting the proliferation of normal human dermal
 CC fibroblast cells. The PRO polypeptide may also be used as molecular
 CC weight markers and for tissue typing. The PRO nucleic acids have
 CC applications in molecular biology, including use as hybridisation probes,
 CC and in chromosome and gene mapping. AAU83592-AAU83713 represent human PRO
 CC protein sequences of the invention.
 XX
 SQ Sequence 105 AA;
 Query Match 100.0%; Score 86; DB 5; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP 60
 DB 20 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRKHKHTCP 79
 QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
 DB 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105
 RESULT 31
 ABB84902
 ID ABB84902 standard; protein; 105 AA.
 XX

AC ABB84902;
XX
DT 16-MAY-2002 (first entry)
XX
DE Human PRO1186 protein sequence SEQ ID NO:172.
XX
KW Human; angiogenesis; cardiant; cytostatic; antiangiogenic; hypotensive;
KW vulnary; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
KW gene therapy; cardiovascular disorder; endothelial disorder; cancer;
KW angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
KW age-related macular degeneration; arterial restenosis; angina;
KW rheumatoid arthritis; myocardial infarction; thrombophlebitis;
KW lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
KW wound healing; chromosome mapping; gene mapping.
XX
OS Homo sapiens.
XX
FN WO200200690-A2.
XX
PD 03-JAN-2002.
XX
PF 20-JUN-2001; 2001WO-US019692.
XX
PR 23-JUN-2000; 2000US-0213637P.
PR 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220664P.
PR 28-JUL-2000; 2000WO-US020710.
PR 02-AUG-2000; 2000US-0222695P.
PR 17-AUG-2000; 2000US-00643657.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 07-SEP-2000; 2000US-0230978P.
PR 18-SEP-2000; 2000US-00664610.
PR 24-SEP-2000; 2000US-00665350.
PR 18-OCT-2000; 2000US-0242922P.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 22-JAN-2001; 2001US-00767609.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 25-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 30-MAY-2001; 2001WO-US017092.
PR 30-MAY-2001; 2001US-00870574.
PR 30-MAY-2001; 2001WO-US017443.
PR 01-JUN-2001; 2001WO-US017800.
XX
FA (GETH) GENENTECH INC.
XX
PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;
PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
XX
DR WPI; 2002-090516/12.
DR N-PSDB; ABL88157.
XX
XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
XX
PS Claim 11; Fig 172; 565pp; English.

XX ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to
CC ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic,
CC antiangiogenic, hypotensive, vulnary and antiarteriosclerotic
CC activities, and can be used in gene therapy. The PRO polynucleotides,
CC proteins, agonists and antagonists are useful for treating or diagnosing
CC a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g.
CC cardiac hypertrophy, trauma, cancer, age-related macular degeneration,
CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC healing. The PRO polynucleotides have applications in molecular biology,
CC including use as hybridisation probes, and in chromosome and gene
CC mapping. ABL88259 to ABL88267 represent primers and probes used in the
CC exemplification of the present invention
XX
SQ Sequence 105 AA;
Query Match 100.0%; Score 86; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHHTCP 60
DB 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHHTCP 79
QY 61 CLPNLLCSRRFPDGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRRFPDGRYRCSMDLKNINF 105
RESULT 32
AA015527
ID AA015527 standard; protein; 105 AA.
XX
AC AA015527;
XX
DT 24-OCT-2002 (first entry)
XX
DE Human physiologically-active ZAQ ligand-related protein 3.
XX
KW Human; ZAQ ligand; physiologically-active ZAQ ligand; digestive disease;
KW colitis; diarrhoea.
XX
OS Homo sapiens.
XX
FN WO200257443-A1.
XX
PD 25-JUL-2002.
XX
PF 21-JAN-2002; 2002WO-JP000378.
XX
PR 22-JAN-2001; 2001JP-00013027.
XX
PR 17-MAY-2001; 2001JP-00147759.
XX
PA (TAKE) TAKEDA CHEM IND LTD.
XX
PI Yamada T, Suenaga M, Nishimura O;
XX
DR WPI; 2002-566801/60.
XX
PT Industrial production of physiologically-active ZAQ ligand by expressing
PT in transformant prokaryote and refolding in redox buffer, for use in
PT preventing or treating digestive diseases e.g. colitis and diarrhea.
XX
PS Example 3; Page 76-77; 93pp; Japanese.
XX
XX The invention comprises a method for producing an active peptide that has
CC the same activity as a ZAQ ligand isolated from eukaryotic cells. The
CC method of the invention is useful for the production of a physiologically
CC -active ZAQ ligand for use in preventing or treating digestive diseases
CC (e.g. colitis and diarrhea). The present amino acid sequence represents a
CC human physiologically active ZAQ ligand-related protein

QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
|||||
Db 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79
|||||
QY 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
|||||
Db 80 CLPNLLCSRFPDGRYRCSDMLKNINF 105
|||||

RESULT 35

AB95508
ID ABB95508 standard; protein; 105 AA.

XX AC ABB95508;

XX DT 19-JUL-2002 (first entry)

XX DE Human angiogenesis related protein PRO1186 SEQ ID NO: 172.

XX Human; angiogenesis; PRO protein; cardiovascularisation; wound; cancer;
KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;
KW cardiant; cytostatic; antiangiogenic; hypotensive; vulnerary;
KW antiarteriosclerotic.

XX OS Homo sapiens.

XX PN WO200208284-A2.

XX PD 31-JAN-2002.

XX PF 09-JUL-2001; 2001WO-US021735.

XX PR 20-JUL-2000; 2000US-0219556P.

XX PR 25-JUL-2000; 2000US-0220624P.

XX PR 25-JUL-2000; 2000US-0220664P.

XX PR 28-JUL-2000; 2000WO-US020710.

XX PR 02-AUG-2000; 2000US-0222695P.

XX PR 17-AUG-2000; 2000US-00643657.

XX PR 23-AUG-2000; 2000WO-US023522.

XX PR 24-AUG-2000; 2000WO-US023328.

XX PR 07-SEP-2000; 2000US-0230978P.

XX PR 18-SEP-2000; 2000US-00664610.

XX PR 18-SEP-2000; 2000US-00665350.

XX PR 24-OCT-2000; 2000US-0242922P.

XX PR 08-NOV-2000; 2000US-00709238.

XX PR 08-NOV-2000; 2000WO-US030952.

XX PR 10-NOV-2000; 2000WO-US030873.

XX PR 01-DEC-2000; 2000WO-US032678.

XX PR 20-DEC-2000; 2000US-00747259.

XX PR 20-DEC-2000; 2000WO-US034956.

XX PR 22-JAN-2001; 2001US-00767609.

XX PR 28-FEB-2001; 2001US-00796498.

XX PR 28-FEB-2001; 2001WO-US006520.

XX PR 01-MAR-2001; 2001WO-US006666.

XX PR 09-MAR-2001; 2001US-00802706.

XX PR 14-MAR-2001; 2001US-00808689.

XX PR 22-MAR-2001; 2001US-00816744.

XX PR 05-APR-2001; 2001US-00828366.

XX PR 10-MAY-2001; 2001US-00854208.

XX PR 10-MAY-2001; 2001US-00854280.

XX PR 25-MAY-2001; 2001US-00866028.

XX PR 25-MAY-2001; 2001US-00866034.

XX PR 25-MAY-2001; 2001WO-US017092.

XX PR 30-MAY-2001; 2001US-00870574.

XX PR 30-MAY-2001; 2001WO-US017443.

XX PR 01-JUN-2001; 2001WO-US017800.

XX PR 20-JUN-2001; 2001WO-US019692.

XX (GETH) GENENTECH INC.

PA (BAKE/) BAKER K P.

PA (FERR/) FERRARA N.

PA (GERB/) GERBER H.

(GERR/) GERRITSEN M E.
PA (GOD/) GODDARD A.
PA (GODO/) GODOWSKI P J.
PA (GURN/) GURNEY A L.
PA (HILL/) HILLAN K J.
PA (MARS/) MARSTERS S A.
PA (PANJ/) PAN J.
PA (PAON/) PAONI N F.
PA (STEP/) STEPHAN J F.
PA (WATA/) WATANABE C K.
PA (WILL/) WILLIAMS P M.
PA (WOOD/) WOOD W I.

PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;

PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;

PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;

XX WPI; 2002-171999/22.

XX N-PSDB; ABL95646.

XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.

PS Claim 11; Fig 172; 567pp; English.

XX The present invention provides the protein and coding sequences of human
CC PRO proteins. These are useful for treating or diagnosing a
CC cardiovascular, endothelial or angiogenic disorder, including cardiac
CC hypertrophy, trauma, cancer, age-related macular degeneration,
CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
CC healing. The present sequence is a PRO protein of the invention

XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 5; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.5e-86;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60

Db 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79

QY 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86

Db 80 CLPNLLCSRFPDGRYRCSDMLKNINF 105

RESULT 36

ADY31906
ID ADY31906 standard; protein; 105 AA.

XX AC ADY31906;

XX DT 05-MAY-2005 (first entry)

XX DE Novel human secreted and transmembrane protein PRO1186.

XX PRO; secreted polypeptide; transmembrane polypeptide; tumour; cancer;
KW lung; colon; breast; prostate; rectum; liver;
KW tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell;
KW pericyte cell; dermal fibroblast; bone disorder; cartilage disorder;
KW arthritis; sports injury; cytostatic; antiarthritic.

OS Homo sapiens.

XX WO200193983-A1.

XX PD 13-DEC-2001.

XX PF 01-JUN-2001; 2001WO-US017800.

XX 02-JUN-2000; 2000WO-US015264.
PR 05-JUN-2000; 2000US-0209832P.
PR 20-JUN-2000; 2000US-0212301P.
PR 22-JUN-2000; 2000US-0213807P.
PR 20-JUL-2000; 2000US-0219556P.
PR 25-JUL-2000; 2000US-0220585P.
PR 25-JUL-2000; 2000US-0220605P.
PR 25-JUL-2000; 2000US-0220607P.
PR 25-JUL-2000; 2000US-0220624P.
PR 25-JUL-2000; 2000US-0220638P.
PR 25-JUL-2000; 2000US-0220664P.
PR 25-JUL-2000; 2000US-0220666P.
PR 26-JUL-2000; 2000US-0220893P.
PR 28-JUL-2000; 2000WO-US020710.
PR 01-AUG-2000; 2000US-022425P.
PR 22-AUG-2000; 2000US-0227133P.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 10-NOV-2000; 2000WO-US030873.
PR 28-NOV-2000; 2000US-0253646P.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001WO-US017092.
XX (GETH) GENENTECH INC.
PA
XX Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX WPI: 2002-404358/43.
DR N-PSDB; ADY31905.
XX
DR
XX
XX
PT Isolated nucleic acid useful in a method for stimulating the
PT proliferation, gene expression or differentiation of cells and in
PT detecting the presence of a tumor.
XX
XX
PS Claim 11; SEQ ID NO 166; 296pp; English.
XX
CC The invention relates to human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the PRO polynucleotides encoding them.
CC The PRO polypeptides and polynucleotides are useful as pharmaceuticals,
CC diagnostics, biosensors or bioreactors. They are particularly useful for
CC detecting tumours (e.g. lung tumour, colon tumour, breast tumour,
CC prostate tumour, rectal tumour or liver tumour) in a mammal, for
CC stimulating the release of tumour necrosis factor (TNF)-alpha from human
CC blood, for stimulating the proliferation or differentiation of
CC chondrocyte cells, for stimulating the proliferation of or gene
CC expression in pericyte cells or for stimulating the proliferation of
CC normal human dermal fibroblasts. The PRO nucleic acids are useful as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA, in preparing PRO polypeptides by recombinant
CC technology, in generating transgenic animals or knock-out animals which
CC may be used in the development and screening of therapeutically useful
CC reagents, in gene therapy, in chromosome identification, as chromosome
CC markers and in generating probes. The PRO polypeptides, or anti-PRO
CC antibodies, are useful for preparing a medicament for treating a
CC condition which is responsive to the PRO polypeptides or anti-PRO
CC antibodies, such as pericyte-associated tumours and bone and/or cartilage
CC disorders (e.g. arthritis, sports injuries), involving inducing the re-
CC differentiation of chondrocytes. The PRO polypeptides are useful as
CC molecular markers for protein electrophoresis, and in tissue typing. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX
XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 5; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
20 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79
QY 61 CLPNLLCSRFDPDGRYRCSMDLKNINF 86
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
80 CLPNLLCSRFDPDGRYRCSMDLKNINF 105
RESULT 37
ABUS8083
ID ABUS8083 standard; protein; 105 AA.
XX ABUS8083;
XX
DT 14-APR-2003 (first entry)
XX Human PRO polypeptide #115.
XX
KW Human; PRO; cytostatic; tumour; cancer; breast; lung; stomach; liver;
KW horse; cow; dog; cat; sheep; pig; goat; rabbit; ADEPT;
KW antibody-dependent enzyme mediated prodrug therapy.
XX
OS Homo sapiens.
XX
PN US2003027163-A1.
XX
PD 06-FEB-2003.
XX
PF 15-NOV-2001; 2001US-00997666.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.

PR 12-JUN-1998;	98US-0089105P.	PR 17-AUG-1998;	98US-0096891P.
PR 16-JUN-1998;	98US-0089440P.	PR 17-AUG-1998;	98US-0096894P.
PR 16-JUN-1998;	98US-0089512P.	PR 17-AUG-1998;	98US-0096895P.
PR 16-JUN-1998;	98US-0089514P.	PR 17-AUG-1998;	98US-0096897P.
PR 17-JUN-1998;	98US-0089532P.	PR 18-AUG-1998;	98US-0096949P.
PR 17-JUN-1998;	98US-0089538P.	PR 18-AUG-1998;	98US-0096950P.
PR 17-JUN-1998;	98US-0089588P.	PR 18-AUG-1998;	98US-0096959P.
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PR 17-JUN-1998;	98US-0089600P.	PR 18-AUG-1998;	98US-0097022P.
PR 17-JUN-1998;	98US-0089653P.	PR 19-AUG-1998;	98US-0097141P.
PR 18-JUN-1998;	98US-0089801P.	PR 20-AUG-1998;	98US-0097218P.
PR 18-JUN-1998;	98US-0089907P.	PR 24-AUG-1998;	98US-0097661P.
PR 18-JUN-1998;	98US-0089908P.	PR 26-AUG-1998;	98US-009752P.
PR 19-JUN-1998;	98US-0089947P.	PR 26-AUG-1998;	98US-0097954P.
PR 19-JUN-1998;	98US-0089948P.	PR 26-AUG-1998;	98US-0097955P.
PR 19-JUN-1998;	98US-0089952P.	PR 26-AUG-1998;	98US-0097971P.
PR 22-JUN-1998;	98US-0090246P.	PR 26-AUG-1998;	98US-0097974P.
PR 22-JUN-1998;	98US-0090252P.	PR 26-AUG-1998;	98US-0097978P.
PR 22-JUN-1998;	98US-0090254P.	PR 26-AUG-1998;	98US-0097979P.
PR 23-JUN-1998;	98US-0090349P.	PR 26-AUG-1998;	98US-0097986P.
PR 23-JUN-1998;	98US-0090355P.	PR 31-AUG-1998;	98US-0098014P.
PR 24-JUN-1998;	98US-0090429P.	PR 31-AUG-1998;	98US-0098525P.
PR 24-JUN-1998;	98US-0090431P.	PR 16-SEP-1998;	98US-0100634P.
PR 24-JUN-1998;	98US-0090435P.	PR 16-SEP-1998;	98WO-US019330.
PR 24-JUN-1998;	98US-0090444P.	PR 17-SEP-1998;	98US-0100858P.
PR 24-JUN-1998;	98US-0090445P.	PR 17-SEP-1998;	98WO-US019437.
PR 24-JUN-1998;	98US-0090472P.	PR 07-OCT-1998;	98WO-US021141.
PR 24-JUN-1998;	98US-0090535P.	PR 01-DEC-1998;	98WO-US025108.
PR 24-JUN-1998;	98US-0090540P.	PR 22-DEC-1998;	98US-0113296P.
PR 24-JUN-1998;	98US-0090542P.	PR 05-JAN-1999;	99WO-US000106.
PR 25-JUN-1998;	98US-0090557P.	PR 08-MAR-1999;	99WO-US005028.
PR 25-JUN-1998;	98US-0090676P.	PR 12-MAR-1999;	99US-0123957P.
PR 25-JUN-1998;	98US-0090678P.	PR 02-JUN-1999;	99WO-US012252.
PR 25-JUN-1998;	98US-0090690P.	PR 23-JUN-1999;	98US-0141037P.
PR 25-JUN-1998;	98US-0090694P.	PR 07-JUL-1999;	99US-0143048P.
PR 25-JUN-1998;	98US-0090695P.	PR 20-JUL-1999;	99US-0144758P.
PR 25-JUN-1998;	98US-0090696P.	PR 26-JUL-1999;	99US-0145698P.
PR 26-JUN-1998;	98US-0090862P.	PR 28-JUL-1999;	99US-0146222P.
PR 26-JUN-1998;	98US-0090863P.	PR 17-AUG-1999;	99US-0149396P.
PR 01-JUL-1998;	98US-0091360P.	PR 15-SEP-1999;	99WO-US021090.
PR 01-JUL-1998;	98US-0091544P.	PR 08-OCT-1999;	99WO-US021547.
PR 02-JUL-1998;	98US-0091478P.	PR 30-NOV-1999;	99US-0158663P.
PR 02-JUL-1998;	98US-0091519P.	PR 01-DEC-1999;	99WO-US028313.
PR 02-JUL-1998;	98US-0091626P.	PR 01-DEC-1999;	99WO-US028301.
PR 02-JUL-1998;	98US-0091628P.	PR 16-DEC-1999;	99WO-US028634.
PR 02-JUL-1998;	98US-0091633P.	PR 20-DEC-1999;	99WO-US030095.
PR 02-JUL-1998;	98US-0091646P.	PR 05-JAN-2000;	99WO-US030911.
PR 02-JUL-1998;	98US-0091673P.	PR 06-JAN-2000;	2000WO-US000219.
PR 07-JUL-1998;	98US-0091978P.	PR 11-FEB-2000;	2000WO-US000376.
PR 09-JUL-1998;	98US-0092182P.	PR 18-FEB-2000;	2000WO-US003565.
PR 10-JUL-1998;	98US-0092472P.	PR 22-FEB-2000;	2000WO-US004341.
PR 20-JUL-1998;	98US-0093339P.	PR 24-FEB-2000;	2000WO-US004414.
PR 30-JUL-1998;	98US-0094651P.	PR 24-FEB-2000;	2000WO-US005004.
PR 04-AUG-1998;	98US-0095282P.	PR 02-MAR-2000;	2000WO-US005841.
PR 04-AUG-1998;	98US-0095285P.	PR 10-MAR-2000;	2000WO-US006319.
PR 04-AUG-1998;	98US-0095301P.	PR 15-MAR-2000;	2000WO-US006884.
PR 04-AUG-1998;	98US-0095302P.	PR 30-MAR-2000;	2000WO-US007377.
PR 04-AUG-1998;	98US-0095318P.	PR 30-MAR-2000;	2000WO-US008439.
PR 04-AUG-1998;	98US-0095321P.	PR 15-MAY-2000;	2000WO-US013358.
PR 04-AUG-1998;	98US-0095325P.	PR 17-MAY-2000;	2000WO-US013705.
PR 10-AUG-1998;	98US-0095916P.	PR 22-MAY-2000;	2000WO-US014042.
PR 10-AUG-1998;	98US-0095929P.	PR 30-MAY-2000;	2000WO-US014941.
PR 11-AUG-1998;	98US-0096012P.	PR 02-JUN-2000;	2000WO-US015264.
PR 11-AUG-1998;	98US-0096143P.	PR 23-JUN-2000;	2000US-0213637P.
PR 11-AUG-1998;	98US-0096146P.	PR 28-JUL-2000;	2000WO-US020710.
PR 12-AUG-1998;	98US-0096329P.	PR 11-AUG-2000;	2000WO-US022031.
PR 17-AUG-1998;	98US-0096757P.	PR 23-AUG-2000;	2000WO-US023522.
PR 17-AUG-1998;	98US-0096766P.	PR 24-AUG-2000;	2000WO-US023328.
PR 17-AUG-1998;	98US-0096768P.	PR 07-SEP-2000;	2000US-0230978P.
PR 17-AUG-1998;	98US-0096773P.		
PR 17-AUG-1998;	98US-0096791P.		
PR 17-AUG-1998;	98US-0096867P.		

Query Match

Best Local Similarity

Score 86; DB 6; Length 105;

Pred. No. 3.5e-86;

PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
PT are therapeutically useful for enhancing immune response and in cancer
PT treatments.

XX Claim 12; Fig 266; 648pp; English.

CC The invention describes an isolated human PRO polypeptide. The PRO
CC polypeptides are useful in detecting PRO polypeptides in a sample, in
CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
CC in modulating at least one biological activity of a cell expressing a PRO
CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
CC useful for treating cardiac insufficiency disorders. PRO154 and PRO186
CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
CC PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, and PRO1126,
CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
CC useful for treating conditions or disorders where angiogenesis would be
CC beneficial, e.g. wound healing and antagonist of this polypeptide are
CC useful for treating cancerous tumours. PRO812 inhibits vascular
CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
CC cells and is thus useful for inhibiting endothelial cell growth in
CC mammals which would be beneficial in inhibiting tumour growth. PRO826,
CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
CC stimulated T-lymphocytes and are therapeutically useful for enhancing
CC immune response. PRO828, PRO826, PRO1068 or PRO132 enhance survival of
CC retinal neurons cells (PRO132 is also enhances survival/proliferation of
CC rod photoreceptor cells) and therefore are useful for treating retinal
CC disorders of injuries, e.g. retinitis pigmentosa, AMD. PRO819, PRO813
CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,
CC and therefore are useful for treating kidney disorders associated with
CC decreased mesangial cell function such as Berger disease or other
CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
CC disease. PRO1310, PRO844, PRO1312, PRO1192 and PRO1387 induce the
CC proliferation and/or redifferentiation of chondrocytes in culture and are
CC thus useful for treating sports injuries, and arthritis. This is the
CC amino acid sequence of a novel human PRO protein

XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECCHPGSHKVPFFPKRKHHTCP 60
Db |||||
20 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECCHPGSHKVPFFPKRKHHTCP 79
QY 61 CLPNLLCSRPDPGRYRCSDMLKNINF 86
Db |||||
80 CLPNLLCSRPDPGRYRCSDMLKNINF 105

RESULT 39

ABU82673
ID ABU82673 standard; protein; 105 AA.

XX AC

ABU82673;

DT 26-JUN-2003 (first entry)

XX DE Human secreted/transmembrane protein PRO1186.

XX Human; PRO; secreted protein; transmembrane protein;
KW cardiac insufficiency disorders; angiogenesis; wound healing;
KW cancerous tumour; immune response; retinal disorder; sight loss;
KW retinitis pigmentosa; age-related macular degeneration; AMD;
KW kidney disorder; Berger disease; nephropathy; dermatitis; herpeticiformis;
KW Crohn's disease; sports injury; arthritis.

OS Homo sapiens.

XX US2003032023-A1.

XX 13-FEB-2003.

XX 14-NOV-2001; 2001US-00990711.
PF 16-JUN-1997; 97US-0049787P.
XX 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 03-JUN-1998; 98US-0087753P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
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PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 11-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089103P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
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PR 18-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
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PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090542P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.

PR 25-JUN-1998;	98US-0090690P.	PR 23-JUN-1999;	99US-0141037P.
PR 25-JUN-1998;	98US-0090694P.	PR 07-JUL-1999;	99US-0143048P.
PR 25-JUN-1998;	98US-0090695P.	PR 20-JUL-1999;	99US-0144758P.
PR 25-JUN-1998;	98US-0090696P.	PR 26-JUL-1999;	99US-0145698P.
PR 26-JUN-1998;	98US-0090862P.	PR 28-JUL-1999;	99US-0146222P.
PR 26-JUN-1998;	98US-0090863P.	PR 17-AUG-1999;	99US-0149396P.
PR 01-JUL-1998;	98US-0091360P.	PR 15-SEP-1999;	99WO-US021090.
PR 01-JUL-1998;	98US-0091544P.	PR 15-SEP-1999;	99WO-US021547.
PR 02-JUL-1998;	98US-0091478P.	PR 08-OCT-1999;	99US-0158663P.
PR 02-JUL-1998;	98US-0091519P.	PR 30-NOV-1999;	99WO-US028313.
PR 02-JUL-1998;	98US-0091626P.	PR 01-DEC-1999;	99WO-US028301.
PR 02-JUL-1998;	98US-0091628P.	PR 01-DEC-1999;	99WO-US028634.
PR 02-JUL-1998;	98US-0091633P.	PR 16-DEC-1999;	99WO-US030095.
PR 02-JUL-1998;	98US-0091646P.	PR 20-DEC-1999;	99WO-US030911.
PR 02-JUL-1998;	98US-0091673P.	PR 05-JAN-2000;	2000WO-US000219.
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PR 04-AUG-1998;	98US-0095282P.	PR 02-MAR-2000;	2000WO-US005841.
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PR 04-AUG-1998;	98US-0095301P.	PR 15-MAR-2000;	2000WO-US006884.
PR 04-AUG-1998;	98US-0095302P.	PR 20-MAR-2000;	2000WO-US007377.
PR 04-AUG-1998;	98US-0095318P.	PR 30-MAR-2000;	2000WO-US008439.
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PR 04-AUG-1998;	98US-0095325P.	PR 17-MAY-2000;	2000WO-US013705.
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PR 10-AUG-1998;	98US-0095929P.	PR 30-MAY-2000;	2000WO-US014941.
PR 10-AUG-1998;	98US-0096012P.	PR 02-JUN-2000;	2000WO-US015264.
PR 11-AUG-1998;	98US-0096143P.	PR 23-JUN-2000;	2000US-0213637P.
PR 11-AUG-1998;	98US-0096146P.	PR 28-JUL-2000;	2000WO-US020710.
PR 12-AUG-1998;	98US-0096329P.	PR 11-AUG-2000;	2000WO-US022031.
PR 17-AUG-1998;	98US-0096757P.	Query Match 100.0%; Score 86; DB 6; Length 105;	
PR 17-AUG-1998;	98US-0096766P.	Best Local Similarity 100.0%; Pred. No. 3.5e-86;	
PR 17-AUG-1998;	98US-0096768P.	Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
PR 17-AUG-1998;	98US-0096773P.		
PR 17-AUG-1998;	98US-0096791P.		
PR 17-AUG-1998;	98US-0096867P.	QY 61	CLPNLLCSFFPDGRYRCSDMLKNINF 86
PR 17-AUG-1998;	98US-0096891P.	DB 80	CLPNLLCSFFPDGRYRCSDMLKNINF 105
PR 17-AUG-1998;	98US-0096894P.		
PR 17-AUG-1998;	98US-0096895P.		
PR 17-AUG-1998;	98US-0096897P.		
PR 18-AUG-1998;	98US-0096949P.		
PR 18-AUG-1998;	98US-0096950P.		
PR 18-AUG-1998;	98US-0096959P.		
PR 18-AUG-1998;	98US-0096960P.		
PR 18-AUG-1998;	98US-0097022P.		
PR 19-AUG-1998;	98US-0097141P.		
PR 20-AUG-1998;	98US-0097218P.		
PR 24-AUG-1998;	98US-0097661P.		
PR 26-AUG-1998;	98US-0097952P.		
PR 26-AUG-1998;	98US-0097954P.		
PR 26-AUG-1998;	98US-0097955P.		
PR 26-AUG-1998;	98US-0097971P.		
PR 26-AUG-1998;	98US-0097974P.		
PR 26-AUG-1998;	98US-0097978P.		
PR 26-AUG-1998;	98US-0097979P.		
PR 26-AUG-1998;	98US-0097986P.		
PR 26-AUG-1998;	98US-0098014P.		
PR 31-AUG-1998;	98US-0098525P.		
PR 16-SEP-1998;	98US-0100634P.		
PR 16-SEP-1998;	98WO-US019330.		
PR 17-SEP-1998;	98US-0100858P.		
PR 17-SEP-1998;	98WO-US019437.		
PR 07-OCT-1998;	98WO-US021141.		
PR 01-DEC-1998;	98WO-US025108.		
PR 22-DEC-1998;	98US-0113296P.		
PR 05-JAN-1999;	99WO-US000106.		
PR 08-MAR-1999;	99WO-US005028.		
PR 12-MAR-1999;	99US-0123957P.		
PR 02-JUN-1999;	99WO-US012252.		
RESULT 40			
ABO17850			
ID	ABO17850 standard; protein; 105 AA.		
XX			
AC	ABO17850;		
XX			
DT	26-AUG-2003 (first entry)		
XX			
DE	Novel human secreted and transmembrane protein PRO1186.		
XX			
KW	Human; secreted and transmembrane protein; PRO; antiinflammatory;		
KW	antiarteriosclerotic; cardiant; anti-infertility; anti-HIV; cytostatic;		
KW	antidiabetic; gene therapy; tumour necrosis factor (TNF)-alpha release;		
KW	TNF-alpha release; cell proliferation; cell differentiation;		
KW	gene expression modulator; proteoglycan release; cytokine release;		
KW	tumour; inflammatory disease; organ failure; atherosclerosis;		
KW	cardiac injury; infertility; birth defect; premature aging; AIDS;		
KW	acquired immunodeficiency syndrome; cancer; diabetic complication;		
KW	chromosome mapping; gene mapping; pharmaceutical; diagnostic; biosensor;		
KW	bioreactor; tissue typing.		
XX			
OS	Homo sapiens.		
XX			
PN	US2003032156-A1.		
XX			

PD 13-FEB-2003.
 XX
 PF 06-MAY-2002; 2002US-00140474.
 XX
 PR 31-MAR-1997; 97WO-US005230.
 PR 12-JUN-1998; 98WO-US012456.
 PR 14-JUL-1998; 98WO-US014552.
 PR 28-AUG-1998; 98WO-US017888.
 PR 10-SEP-1998; 98WO-US018824.
 PR 14-SEP-1998; 98WO-US019093.
 PR 14-SEP-1998; 98WO-US019094.
 PR 14-SEP-1998; 98WO-US019177.
 PR 16-SEP-1998; 98WO-US019330.
 PR 17-SEP-1998; 98WO-US019437.
 PR 07-OCT-1998; 98WO-US021141.
 PR 29-OCT-1998; 98WO-US022991.
 PR 29-OCT-1998; 98WO-US022992.
 PR 29-NOV-1998; 98WO-US024855.
 PR 01-DEC-1998; 98WO-US025108.
 PR 05-JAN-1999; 99WO-US000106.
 PR 08-MAR-1999; 99WO-US005028.
 PR 10-MAR-1999; 99WO-US005190.
 PR 20-APR-1999; 99WO-US008615.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 01-SEP-1999; 99WO-US020111.
 PR 08-SEP-1999; 99WO-US020594.
 PR 13-SEP-1999; 99WO-US020944.
 PR 15-SEP-1999; 99WO-US021090.
 PR 15-SEP-1999; 99WO-US021547.
 PR 05-OCT-1999; 99WO-US023089.
 PR 29-NOV-1999; 99WO-US028214.
 PR 30-NOV-1999; 99WO-US028313.
 PR 30-NOV-1999; 99WO-US028409.
 PR 01-DEC-1999; 99WO-US028301.
 PR 02-DEC-1999; 99WO-US028634.
 PR 02-DEC-1999; 99WO-US028551.
 PR 02-DEC-1999; 99WO-US028564.
 PR 02-DEC-1999; 99WO-US028565.
 PR 16-DEC-1999; 99WO-US030095.
 PR 20-DEC-1999; 99WO-US030911.
 PR 20-DEC-1999; 99WO-US030999.
 PR 22-DEC-1999; 99WO-US030720.
 PR 30-DEC-1999; 99WO-US031243.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-JAN-2000; 2000WO-US000219.
 PR 06-JAN-2000; 2000WO-US000277.
 PR 06-JAN-2000; 2000WO-US000376.
 PR 11-FEB-2000; 2000WO-US003565.
 PR 18-FEB-2000; 2000WO-US004341.
 PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US004914.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 10-MAR-2000; 2000WO-US006319.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00806889.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Pilvaroff E, Gao W;
 PI Gerritsen MS, Goddard A, Godowski FJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
 XX
 DR WPI; 2003-341980/32.
 N-PSDB; ACD24087.
 XX
 DR New secreted and transmembrane PRO nucleic acids, for treating
 PT inflammation, organ failure, atherosclerosis, cardiac injury,
 PT infertility, birth defects, premature aging, acquired immunodeficiency
 PT syndrome (AIDS), or cancer.
 XX
 PS Claim 12; Fig 470; 560pp; English.
 XX
 CC The invention describes an isolated nucleic acid (I) comprising, or which
 CC has 80 % sequence identity to, or the full-length coding sequence of, one
 CC of 275 nucleotide sequences, and which encodes a corresponding
 CC polypeptide selected from 275 amino acid sequences, where all sequences
 CC are given in the specification. The polypeptide encoded by (I) is used to
 CC detect PRO polypeptides, link a bioactive molecule to a cell expressing a
 CC PRO polypeptide, modulate a biological activity of a cell, stimulate the
 CC release of tumour necrosis factor (TNF)-alpha from human blood, modulate
 CC the uptake of glucose or free fatty acid by cells, stimulate or inhibit
 CC the proliferation or differentiation of cells or gene expression.
 CC stimulate the release of proteoglycans, stimulate the release of cytokine
 CC from peripheral blood mononuclear cells, inhibit the binding of A-peptide
 CC to factor VIIa, or detect the presence of tumour in a mammal. The nucleic
 CC acid and polypeptide encoded by it, are useful for treating inflammatory
 CC diseases, organ failure, atherosclerosis, cardiac injury, infertility,
 CC birth defects, premature aging, acquired immunodeficiency syndrome,
 CC (AIDS), cancer, or diabetic complications. The nucleic acid is useful as
 CC hybridisation probes, in chromosome and gene mapping, and in generating
 CC antisense RNA or DNA. The polypeptides are useful as pharmaceuticals,
 CC diagnostics, biosensors or bioreactors. Both are useful in tissue typing.
 CC This is the amino acid sequence of a novel human secreted and
 CC transmembrane PRO polypeptide
 XX
 SQ Sequence 105 AA;
 Query Match 100.0%; Score 86; DB 6; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.5e-86; Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFRRKRKHTCP 60
Db 20 AVITGACERDVCGAGTCCCAISLWLRLGRLMCTPLGREGECHPGSHKVPFFRRKRKHTCP 79
QY 61 CLPNLLCSFPDGRVRCSDMLKNINF 86
Db 80 CLPNLLCSFPDGRVRCSDMLKNINF 105

RESULT 41
ABU60592
ID ABU60592 standard; protein; 105 AA.
XX
AC ABU60592;
XX
XX
DT 01-MAY-2003 (first entry)
XX
DE Human secreted/transmembrane protein, #151.
XX
KW Human; PRO; secreted; transmembrane; signal peptide; pharmaceutical;
KW diagnostic; therapeutic; gene therapy.
OS Homo sapiens.
XX
XX US2002160384-A1.
XX
XX 31-OCT-2002.
XX
XX 14-NOV-2001; 2001US-00992598.

PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
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PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
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PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
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PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
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PR 05-JUN-1998; 98US-0088202P.
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PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.

PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US000528.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.

(GETH) GENENTECH INC.

PA Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
XX Zhang Z;

XX WPI; 2003-288106/28.
DR N-PSDB; ABX90338.

XX New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.

XX Claim 12; Fig 266; 650pp; English.

XX The invention discloses isolated PRO secreted/transmembrane polypeptides
CC comprising a sequence without signal peptide and the nucleic acid

CC encoding them. The polypeptides can be used to raise antibodies that
 CC specifically bind to the PRO polypeptide, for linking a bioactive
 CC molecule to a cell expressing a PRO protein and for modulating at least
 CC one biological activity of a cell. The PRO polypeptides or
 CC polynucleotides are also useful in gene therapy, in chromosome
 CC identification, as chromosome markers, or in generating probes. The PRO
 CC polypeptides are useful as molecular markers for protein electrophoresis,
 CC and the isolated nucleic acids may be used for recombinantly expressing
 CC those markers. The PRO polypeptides and nucleic acids may also be used in
 CC tissue typing. Anti-PRO antibodies are useful in diagnostic assays for
 CC PRO, and in affinity purification of PRO from recombinant cell culture or
 CC natural sources. The sequences presented in ABU60478-ABU60624 are the PRO
 CC polynucleotides of the invention. Note: The sequence data for this patent
 CC is also available in electronic format from USPTO at
 CC seqdata.uspto.gov/sequence.html
 XX
 SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFKRKHHTCP 60
 DB 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFKRKHHTCP 79
 QY 61 CLPNLLCSRFDPGRYRCMDLKNINF 86
 DB 80 CLPNLLCSRFDPGRYRCMDLKNINF 105

RESULT 42
 ABU0821
 ID ABU0821 standard; protein; 105 AA.
 AC ABU0821;
 DT 23-JUN-2003 (first entry)
 DE Human PRO polypeptide #83.
 KW Human; PRO polypeptide; secreted and transmembrane protein;
 KW anti-PRO antibody; diagnostic assay; gene expression; tumour; cytostatic.
 XX Homo sapiens.
 OS
 XX
 XX
 PN US2003036635-A1.
 XX
 XX PD 20-FEB-2003.
 XX
 XX PF 28-AUG-2002; 2002US-00230163.
 XX
 XX PR 25-JUL-2000; 2000US-0220638P.
 XX PR 01-JUN-2001; 2001WO-US017800.
 XX PR 29-JUN-2001; 2001WO-US021066.
 XX PR 09-APR-2002; 2002US-00119480.
 XX
 XX PA (GETH) GENENTECH INC.
 XX
 XX PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
 XX PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
 XX
 XX DR WPI; 2003-342045/32.
 XX DR N-PSDB; ACA66923.
 XX
 XX PT One hundred and twenty two nucleic acids encoding PRO polypeptides,
 XX PT useful for the manufacture of a medicament for diagnosing or treating
 XX PT tumor.
 XX
 XX PS Claim 11; Fig 166; 314pp; English.
 XX
 XX CC The present invention relates to the isolation of novel human PRO
 XX CC polypeptides, and the polynucleotide sequences encoding them. The PRO

CC polypeptides are secreted and transmembrane proteins. The PRO
 CC polypeptides and polynucleotides are useful for preparing a medicament
 CC useful in the diagnosis and treatment of tumours. Anti-PRO antibodies are
 CC useful in diagnostic assays for PRO, by detecting its expression in
 CC specific cells, tissues or serum, and for affinity purification of PRO
 CC from recombinant cell culture or natural sources. ABU0739-ABU0860
 CC represent the human PRO polypeptides of the invention. Note: The sequence
 CC data for this patent was obtained in electronic format directly from the
 CC USPTO web site at seqdata.uspto.gov/psipsDIDEntry.html
 XX
 SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFKRKHHTCP 60
 DB 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFKRKHHTCP 79
 QY 61 CLPNLLCSRFDPGRYRCMDLKNINF 86
 DB 80 CLPNLLCSRFDPGRYRCMDLKNINF 105

RESULT 43
 ABO33787
 ID ABO33787 standard; protein; 105 AA.
 XX
 AC ABO33787;
 XX
 XX DT 17-SEP-2003 (first entry)
 XX
 XX DE Novel human secreted and transmembrane protein PRO1186.
 XX
 KW Human; secreted and transmembrane protein; PRO; cytostatic;
 KW antiarthritic; osteopathic; gene therapy; TNF-Agonist-Alpha;
 KW chondrocyte stimulator; pericyte stimulator; fibroblast modulator;
 KW pharmaceutical; diagnostic; biosensor; bioreactor; tumour; lung tumour;
 KW colon tumour; breast tumour; prostate tumour; rectal tumour;
 KW liver tumour; bone disorder; cartilage disorder; sports injury;
 KW arthritis; wound.
 XX
 OS Homo sapiens.
 XX
 XX PN US2003045687-A1.
 XX
 XX PD 06-MAR-2003.
 XX
 XX PF 12-AUG-2002; 2002US-00218631.
 XX
 XX PR 01-JUN-2001; 2001WO-US017800.
 XX PR 29-JUN-2001; 2001WO-US021066.
 XX PR 09-APR-2002; 2002US-00119480.
 XX
 XX PA (GETH) GENENTECH INC.
 XX
 XX PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
 XX PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
 XX
 XX DR WPI; 2003-512315/48.
 XX DR N-PSDB; ACD68675.
 XX
 XX PT New genes, and its encoded secreted and transmembrane polypeptides,
 XX PT useful for stimulating Tumor Necrosis Factor alpha, or chondrocyte or
 XX PT pericyte proliferation, especially for treating lung tumors, arthritis or
 XX PT wounds in a mammal.
 XX
 XX PS Claim 11; Fig 166; 314pp; English.
 XX
 XX CC The invention describes an isolated nucleic acid molecule comprising a
 XX CC sequence with at least 80% identity to: (a) a nucleotide encoding any of
 XX CC 122 PRO (secreted and transmembrane) polypeptides whose sequences are

CC fully defined in the specification; or (b) any of 122 nucleotide
CC sequences having e.g. 4834, 2504 or 1759 bp fully defined in the
CC specification; or the full length coding sequence of any these 122
CC nucleotide sequences. The PRO polypeptides or polynucleotides are useful
CC as pharmaceuticals, diagnostics, biosensors or bioreactors. These are
CC particularly useful for detecting tumours (e.g. lung tumour, colon
CC tumour, breast tumour, prostate tumour, rectal tumour, or liver tumour)
CC in a mammal, for stimulating the release of TNF-alpha from human blood,
CC for stimulating the proliferation or differentiation of chondrocyte
CC cells, for stimulating proliferation of pericyte cells, or for modulating
CC normal human dermal fibroblast proliferation. The PRO nucleic acid or
CC polypeptide is also useful for treating tumours or various bone and/or
CC cartilage disorders (e.g. sports injuries or arthritis), or wounds. The
CC PRO polypeptides are useful in drug screening, particularly as targets
CC for therapeutic intervention in these diseases, and in the diagnostic
CC determination of the presence of these diseases. The PRO polypeptides are
CC also useful as molecular weight markers, or for chromosome
CC identification. The PRO genes are useful as hybridisation probes, or for
CC screening libraries of human cDNA, genomic DNA or mRNA. The PRO genes may
CC also be used in gene therapy, particularly for replacing a defective
CC gene. This is the amino acid sequence of a novel human secreted and
CC transmembrane PRO polypeptide
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCAIISLWGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 60
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
20 AVITGACERDVCGAGTCCAIISLWGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 79
QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
80 CLPNLLCSRFPPDGRYRCSMDLKNINF 105

RESULT 44
ABU13974
ID ABU13974 standard; protein; 105 AA.
XX
AC ABU13974;
XX
XX 26-FEB-2003 (first entry)
XX Human PRO1186 polypeptide.
XX
XX Human; PRO polypeptide; secreted protein; transmembrane protein;
XX Genetic disorder; antibacterial; immunosuppressive.
XX Homo sapiens.
XX
XX US2002103125-A1.
XX
XX 01-AUG-2002.
XX
XX 20-NOV-2001; 2001US-00989731.
XX
XX 16-JUN-1997; 97US-0049787P.
XX 17-OCT-1997; 97US-0062250P.
XX 05-NOV-1997; 97WO-US020069.
XX 12-NOV-1997; 97US-0065186P.
XX 13-NOV-1997; 97US-0065311P.
XX 24-NOV-1997; 97US-0066770P.
XX 25-FEB-1998; 98US-0075945P.
XX 20-MAR-1998; 98US-0078910P.
XX 28-APR-1998; 98US-0083322P.
XX 07-MAY-1998; 98US-0084600P.
XX 28-MAY-1998; 98US-0087106P.
XX 02-JUN-1998; 98US-0087607P.
XX 02-JUN-1998; 98US-0087609P.
XX 02-JUN-1998; 98US-0087759P.

PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 06-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US006319.
PR 10-MAR-2000; 2000WO-US006884.
PR 15-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.

CC The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides and polynucleotides are useful for preparing a medicament
CC useful in the treatment of diabetes, bone and/or cartilage disorders
CC (e.g. rheumatoid arthritis, sports injuries, osteoarthritis), obesity,
CC hyper- or hypo-insulinaemia, hearing loss, and coagulation disorders
CC (e.g. stroke, heart attack). Anti-PRO antibodies are useful in diagnostic
CC assays for PRO, by detecting its expression in specific cells, tissues or
CC serum, and for affinity purification of PRO from recombinant cell culture
CC or natural sources. ABU8070-ABU81144 represent the human PRO
CC polypeptides of the invention. Note: the sequence data for this patent
CC was obtained in electronic format directly from the USPTO web site at
CC seqdata.uspto.gov/psipdsIDentry.html
XX
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFRRKRKHTCP 60
DB 20 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFRRKRKHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 47
ABU07603
ID ABU07603 standard; protein; 105 AA.
XX
XX
AC ABU07603;

XX
DT 10-MAY-2003 (first entry)
XX
DE Human ZVEN2.

XX
KW Human; ZVEN2; tumour.
XX
OS Homo sapiens.

XX
PN US6485938-B1.
XX
PD 26-NOV-2002.

XX
PF 14-NOV-2000; 2000US-00712529.
XX
PR 16-NOV-1999; 99US-0165905P.

XX
PR 25-FEB-2000; 2000US-0184875P.
XX
PR 19-APR-2000; 2000US-0197750P.

XX
PR 07-JUN-2000; 2000US-0210332P.
XX
PA (ZYMO) ZYMOGENETICS INC.

XX
PI Sheppard PO, Bishop PD;
XX
XX WPI; 2003-287426/28.
DR
DR N-PSDB; ABX12104, ABX12105.

XX
PT Novel isolated nucleic acid molecule that encodes a Zven1 polypeptide,
PT useful for inhibiting the proliferation of tumor cells, or to detect the
PT expression of a Zven1 or Zven2 gene in a biological sample.
XX
XX
PS Disclosure; Col 3; 37pp; English.

XX
XX The invention relates to an isolated nucleic acid molecule (I) that
CC encodes a Zven1 polypeptide. (I) is useful for inhibiting the
CC proliferation of tumour cells, as probes or primers to clone 5' non-
CC coding regions of a Zven gene, to direct the expression of heterologous
CC gene in tissues of, for example, transgenic animals or patients treated

CC with gene therapy, to detect the expression of a Zven1 or Zven2 gene in a
CC biological sample, to detect activated neutrophils, to identify
CC therapeutic or prophylactic agents that modulate the response of a
CC neutrophil to a pathogen, to determine whether a subject's chromosomes
CC contain a mutation in the Zven gene, or to detect aberrations in Zven1 or
CC Zven2 locus. (I) is useful as educational tools, as laboratory practicum
CC kits for courses related to genetics and molecular biology, protein
CC chemistry and antibody production and analysis. The present sequence
CC represents the amino acid sequence of ZVEN2
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFRRKRKHTCP 60
DB 20 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFRRKRKHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 48
ABU72559
ID ABU72559 standard; protein; 105 AA.
XX
XX
AC ABU72559;

XX
DT 17-JUN-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.

XX
KW Human; secreted and transmembrane protein; cytostatic; anti-HIV;
KW virucide; hepatotropic; antiinflammatory; neuroprotective; gene therapy;
KW PRO; pharmaceutical; diagnostic; biosensor; bioreactor; malignancy;
KW cancer; ovarian cancer; colorectal cancer; Kaposi's sarcoma; leukaemia;
KW lymphoma; hepatitis B; multiple sclerosis; Crohn's disease;
KW drug screening.

XX
OS Homo sapiens.
XX
PN US2003003531-A1.

XX
PD 02-JAN-2003.
XX
PF 19-NOV-2001; 2001US-00989734.

XX
PR 16-JUN-1997; 97US-0049787P.
XX
PR 17-OCT-1997; 97US-0062250P.

XX
PR 05-NOV-1997; 97WO-US020089.
XX
PR 12-NOV-1997; 97US-0065186P.

XX
PR 13-NOV-1997; 97US-0065311P.
XX
PR 24-NOV-1997; 97US-0066770P.

XX
PR 25-FEB-1998; 98US-0075945P.
XX
PR 20-MAR-1998; 98US-0078910P.

XX
PR 28-APR-1998; 98US-0083322P.
XX
PR 07-MAY-1998; 98US-0084600P.

XX
PR 28-MAY-1998; 98US-0087106P.
XX
PR 02-JUN-1998; 98US-0087607P.

XX
PR 02-JUN-1998; 98US-0087759P.
XX
PR 03-JUN-1998; 98US-0087827P.

XX
PR 04-JUN-1998; 98US-0088021P.

PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089588P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089807P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-JAN-2000; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US0003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
(GETH) GENENTECH INC.

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AJ, Kljavin IJ, Napier MA, Pan J, Peoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX WPI; 2003-352829/33.
DR N-PSDB; ACA64406.
XX
XX New genes and secreted and transmembrane polypeptides (e.g. PRO183 or
PT PRO184), useful for treating or diagnosing e.g. ovarian cancer, Kaposi's
PT sarcoma, leukemia, lymphoma, hepatitis B, multiple sclerosis or Crohn's
PT disease.
XX Claim 12; Fig 266; 663pp; English.
XX
XX The invention describes a new isolated nucleic acid molecule comprising
CC the full length coding sequence of the DNA deposited with the American
CC Type Culture Collection (e.g. ATCC Deposit No. 209621, 552-PTA, 819-PTA,
CC 209439, 203135, etc); or a sequence with at least 80% identity to a DNA
CC encoding a PRO polypeptide. The PRO polypeptides or polynucleotides are
CC useful as pharmaceuticals, diagnostics, biosensors or bioreactors. These
CC are particularly useful for detecting or treating e.g. malignancies or
CC cancers (e.g. ovarian cancer, colorectal cancer, Kaposi's sarcoma,
CC leukaemia or lymphoma), hepatitis B, multiple sclerosis, or Crohn's
CC disease in mammals. The PRO polypeptides are useful in drug screening,
CC particularly as targets for therapeutic intervention in these diseases,
CC and in the diagnostic determination of the presence of these diseases.
CC The PRO polypeptides are also useful as molecular weight markers, or for
CC chromosome identification. The PRO genes are useful as hybridisation
CC probes, or for screening libraries of human cDNA, genomic DNA or mRNA.
CC The PRO genes may also be used in gene therapy, particularly for a novel
CC replacing a defective gene. This is the amino acid sequence of a novel
CC human secreted and transmembrane PRO polypeptide
XX
XX Sequence 105 AA;
SQ
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Fred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVCGAGTCCCAISILWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60
|||
Db 20 AVITGACERDVCGAGTCCCAISILWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79
|||
QY 61 CLPNLLCSRFPPDGRYRCMDLKNINF 86
|||
Db 80 CLPNLLCSRFPPDGRYRCMDLKNINF 105
|||
RESULT 49
ABU66804
ID ABU66804 standard; protein; 105 AA.
XX AC ABU66804;
XX
XX 23-MAY-2003 (first entry)
DT Human PRO polypeptide #235.
XX
XX Human; PRO polypeptide; secreted and transmembrane protein;
KW tumour necrosis factor-alpha; TNF-alpha; blood; proliferation;
KW differentiation; chondrocyte; tumour; genetic disorder; cytostatic.
XX Homo sapiens.
XX OS
XX US2003036180-A1.
PN
XX
XX 20-FEB-2003.
PD
XX 09-MAY-2002; 2002US-00143114.
XX
XX 31-MAR-1997; 97WO-US005230.
XX
XX


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RESULT 50
ABU59885
ID ABU59885 standard; protein; 105 AA.
XX
AC ABU59885;
XX
DT 13-MAY-2003 (first entry)
XX
DE Novel secreted and transmembrane protein PRO1186.
XX
KW Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosa; kidney disorder;
KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
KW chondrocyte redifferentiation; sports injury; arthritis.
XX
OS Homo sapiens.
XX
PN US2003017563-A1.
XX
PD 23-JAN-2003.
XX
PF 07-MAY-2002; 2002US-00140808.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
XX (GETH ) GENENTECH INC.
XX
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
XX Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-148238/14.
XX N-PSDB; ABX89375.
XX
XX Two hundred and seventy five nucleic acids encoding PRO polypeptides,
XX useful for treating pericyte-associated tumors, diabetes and various bone
XX and/or cartilage disorders, e.g. arthritis.
XX
XX Claim 12; Fig 470; 659pp; English.
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XX

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CC The invention describes an isolated human PRO polypeptide. The PRO
 CC polypeptides are useful in detecting PRO polypeptides in a sample, in
 CC linking a bioactive molecule to a cell expressing a PRO polypeptide, and
 CC in modulating at least one biological activity of a cell expressing a PRO
 CC polypeptide. PRO1312 stimulates hypertrophy of neonatal heart and is thus
 CC useful for treating cardiac insufficiency disorders. PRO1154 and PRO1186
 CC stimulate adrenal cortical capillary endothelial growth, and PRO536,
 CC PRO943, PRO828, PRO826, PRO1068 or PRO535, PRO826, and PRO1126,
 CC PRO1360 and PRO1387 induce c-fos in endothelial cells, and are thus
 CC useful for treating conditions or disorders where angiogenesis would be
 CC beneficial, e.g. wound healing and antagonist of this polypeptide are
 CC useful for treating cancerous tumours. PRO812 inhibits vascular
 CC endothelial growth factor (VEGF) stimulated proliferation of endothelial
 CC cells and is thus useful for inhibiting endothelial cell growth in
 CC mammals which would be beneficial in inhibiting tumour growth. PRO826,
 CC PRO1068, PRO1184, PRO1346 and PRO1375 stimulate proliferation of
 CC stimulated T-lymphocytes and are therapeutically useful for enhancing
 CC immune response. PRO828, PRO826, PRO1068 or PRO1132 enhance survival of
 CC retinal neurons cells (PRO1132 is also enhances survival/proliferation of
 CC rod photoreceptor cells) and therefore are useful for treating retinal
 CC disorders of injuries, e.g. retinitis pigmentosa, AMD, PRO819, PRO813
 CC and PRO1066 induce proliferation of mammalian kidney mesangial cells,
 CC and therefore are useful for treating kidney disorders associated with
 CC decreased mesangial cell function such as Berger disease or other
 CC nephropathies associated with dermatitis, herpeticiformis or Crohn's
 CC disease. PRO1310, PRO844, PRO1312, and PRO1387 induce the
 CC proliferation and/or redifferentiation of chondrocytes in culture and are
 CC thus useful for treating sports injuries, and arthritis. This is the
 CC amino acid sequence of a novel human PRO protein

XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHECHGSHKVPFFPKRKHHTCP 60
 DB 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHECHGSHKVPFFPKRKHHTCP 79
 QY 61 CLPNLLCSRPDPGRVRCSDMLKNINP 86
 DB 80 CLPNLLCSRPDPGRVRCSDMLKNINF 105

RESULT 51

ABU59308
 ID ABU59308 standard; protein; 105 AA.

AC ABU59308;

DT 22-APR-2003 (first entry)

DE Human secreted/transmembrane protein, #151.

KW Human; PRO; secreted; transmembrane; pharmaceutical; diagnostic;

KW biosensor; bioreactor; tumour; therapeutic; gene therapy;

KW tumour-associated antigenic target; TAT; ADAPT;

KW antibody-dependent enzyme mediated prodrug therapy; cytostatic.

XX Homo sapiens.

OS US2003027162-A1.

PN 06-FEB-2003.

PD 15-NOV-2001; 2001US-00997428.

PF 16-JUN-1997; 97US-0049787P.

PR 17-OCT-1997; 97US-0062250P.

PR 05-NOV-1997; 97WO-US02006P.

PR 12-NOV-1997; 97US-0065186P.

PR 13-NOV-1997; 97US-0065311P.

PR 24-NOV-1997; 97US-0065770P.
 PR 25-FEB-1998; 98US-0075945P.
 PR 28-MAR-1998; 98US-0078910P.
 PR 28-APR-1998; 98US-0083322P.
 PR 07-MAY-1998; 98US-0084600P.
 PR 28-MAY-1998; 98US-0087106P.
 PR 02-JUN-1998; 98US-0087607P.
 PR 02-JUN-1998; 98US-0087759P.
 PR 03-JUN-1998; 98US-0087827P.
 PR 04-JUN-1998; 98US-0088021P.
 PR 04-JUN-1998; 98US-0088025P.
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 PR 04-JUN-1998; 98US-0088029P.
 PR 04-JUN-1998; 98US-0088030P.
 PR 04-JUN-1998; 98US-0088033P.
 PR 04-JUN-1998; 98US-00880326P.
 PR 05-JUN-1998; 98US-0088167P.
 PR 05-JUN-1998; 98US-0088202P.
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 PR 10-JUN-1998; 98US-0088738P.
 PR 10-JUN-1998; 98US-0088742P.
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 PR 16-JUN-1998; 98US-0089440P.
 PR 16-JUN-1998; 98US-0089512P.
 PR 16-JUN-1998; 98US-0089514P.
 PR 17-JUN-1998; 98US-0089532P.
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 PR 18-JUN-1998; 98US-0089907P.
 PR 19-JUN-1998; 98US-0089908P.
 PR 19-JUN-1998; 98US-0089947P.
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 PR 26-JUN-1998; 98US-0090696P.
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PR 02-JUL-1998;	98US-0091478P.	PR 08-OCT-1999;	99US-0158663P.
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PR 02-JUL-1998;	98US-0091626P.	PR 01-DEC-1999;	99WO-US028301.
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PR 02-JUL-1998;	98US-0091633P.	PR 16-DEC-1999;	99WO-US030095.
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PR 02-JUL-1998;	98US-0091673P.	PR 05-JAN-2000;	2000WO-US000219.
PR 07-JUL-1998;	98US-0091782P.	PR 06-JAN-2000;	2000WO-US000376.
PR 07-JUL-1998;	98US-0091982P.	PR 11-FEB-2000;	2000WO-US003565.
PR 09-JUL-1998;	98US-0092182P.	PR 18-FEB-2000;	2000WO-US004341.
PR 10-JUL-1998;	98US-0092472P.	PR 22-FEB-2000;	2000WO-US004414.
PR 20-JUL-1998;	98US-0093339P.	PR 24-FEB-2000;	2000WO-US004914.
PR 30-JUL-1998;	98US-0094551P.	PR 24-FEB-2000;	2000WO-US005004.
PR 04-AUG-1998;	98US-0095282P.	PR 02-MAR-2000;	2000WO-US005841.
PR 04-AUG-1998;	98US-0095285P.	PR 10-MAR-2000;	2000WO-US006319.
PR 04-AUG-1998;	98US-0095301P.	PR 15-MAR-2000;	2000WO-US006884.
PR 04-AUG-1998;	98US-0095302P.	PR 20-MAR-2000;	2000WO-US007377.
PR 04-AUG-1998;	98US-0095318P.	PR 30-MAR-2000;	2000WO-US008439.
PR 04-AUG-1998;	98US-0095321P.	PR 15-MAY-2000;	2000WO-US013358.
PR 04-AUG-1998;	98US-0095325P.	PR 17-MAY-2000;	2000WO-US013705.
PR 10-AUG-1998;	98US-0095916P.	PR 22-MAY-2000;	2000WO-US014042.
PR 10-AUG-1998;	98US-0095929P.	PR 30-MAY-2000;	2000WO-US014941.
PR 10-AUG-1998;	98US-0096012P.	PR 02-JUN-2000;	2000WO-US015264.
PR 11-AUG-1998;	98US-0096143P.	PR 23-JUN-2000;	2000US-0213637P.
PR 11-AUG-1998;	98US-0096146P.	PR 28-JUL-2000;	2000WO-US020710.
PR 12-AUG-1998;	98US-0096329P.	PR 11-AUG-2000;	2000WO-US022031.
PR 17-AUG-1998;	98US-0096757P.	PR 23-AUG-2000;	2000WO-US023522.
PR 17-AUG-1998;	98US-0096766P.	PR 24-AUG-2000;	2000WO-US023328.
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PR 17-AUG-1998;	98US-0096791P.	QY 1	AVITGACERDVQCGAGTCCAISLWLRGLRMCTPLGREGECHPGSHKVPFPRKRKHTCP 60
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PR 18-AUG-1998;	98US-0096959P.	XX	XX
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PR 18-AUG-1998;	98US-0097022P.	XX	XX
PR 19-AUG-1998;	98US-0097141P.	DT	10-SEP-2003 (first entry)
PR 20-AUG-1998;	98US-0097218P.	XX	XX
PR 20-AUG-1998;	98US-0097261P.	DE	Human PRO1186 polypeptide.
PR 20-AUG-1998;	98US-0097352P.	XX	XX
PR 20-AUG-1998;	98US-0097354P.	XX	XX
PR 26-AUG-1998;	98US-0097555P.	XX	XX
PR 26-AUG-1998;	98US-0097974P.	XX	XX
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PR 26-AUG-1998;	98US-0097979P.	KW	genetic disorder; antibacterial; immunosuppressive.
PR 26-AUG-1998;	98US-0097986P.	XX	XX
PR 26-AUG-1998;	98US-0098014P.	OS	Homo sapiens.
PR 31-AUG-1998;	98US-0098525P.	XX	XX
PR 16-SEP-1998;	98US-0100634P.	XX	XX
PR 16-SEP-1998;	98WO-US019330.	PN	US2002127576-A1.
PR 17-SEP-1998;	98US-0100858P.	XX	XX
PR 17-SEP-1998;	98WO-US019437.	PD	12-SEP-2002.
PR 07-OCT-1998;	98WO-US021141.	XX	XX
PR 01-DEC-1998;	98WO-US025108.	XX	XX
PR 22-DEC-1998;	98US-0113296P.	PF	14-NOV-2001; 2001US-00991073.
PR 05-JAN-1999;	99WO-US000106.	XX	XX
PR 08-MAR-1999;	99WO-US005028.	PR	16-JUN-1997; 97US-0049787P.
PR 12-MAR-1999;	99US-01233957P.	PR	17-OCT-1997; 97US-0062250P.
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PR 23-JUN-1999;	99US-0141037P.	PR	12-NOV-1997; 97US-0065186P.
PR 07-JUL-1999;	99US-0143048P.	PR	13-NOV-1997; 97US-0065311P.
PR 20-JUL-1999;	99US-0144758P.	PR	24-NOV-1997; 97US-0066770P.
PR 26-JUL-1999;	99US-0145698P.	PR	25-FEB-1998; 98US-0075945P.
PR 28-JUL-1999;	99US-0146222P.	PR	20-MAR-1998; 98US-0078910P.
PR 17-AUG-1999;	99US-0149396P.	PR	28-APR-1998; 98US-0083322P.
PR 15-SEP-1999;	99WO-US021090.	PR	07-MAY-1998; 98US-0084600P.
PR 15-SEP-1999;	99WO-US021547.		

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PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
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PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
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PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
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PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
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PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
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PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
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PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 06-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.

23-AUG-2000; 2000WO-US023522.
24-AUG-2000; 2000WO-US023328.
08-NOV-2000; 2000WO-US030952.
01-DEC-2000; 2000WO-US032678.
28-FEB-2001; 2001WO-US006520.
01-JUN-2001; 2001WO-US017800.
20-JUN-2001; 2001WO-US019692.
29-JUN-2001; 2001WO-US021066.
09-JUL-2001; 2001WO-US021735.
28-AUG-2001; 2001US-00941992.
XX
XX
PA (GETH ) GENENTECH INC.
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Raoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
XX WPI; 2003-340824/32.
DR N-PSDB; ACD44374.
XX
XX Novel isolated PRO polypeptides e.g., PRO826, PRO1068, PRO1184, PRO1346
PT and PRO1375, which stimulate proliferation of stimulated T-lymphocytes
PT and are therapeutically useful for enhancing immune responses.
PS
PS Claim 12; Fig 266; 661pp; English.
XX
XX The present invention relates to the isolation of novel human PRO
CC polypeptides, and the polynucleotide sequences encoding them. The PRO
CC polypeptides are secreted and transmembrane proteins. The PRO
CC polypeptides are useful for detecting other PRO polypeptides, for linking
CC bioactive molecules to cells expressing PRO polypeptides, for modulating
CC biological activities of cells expressing PRO polypeptides, and for for
CC identifying agonists or antagonists. The polynucleotide sequences
CC encoding PRO polypeptides are useful as hybridisation probes, in
CC chromosome and gene mapping, in the generation of antisense RNA and DNA,
CC in the preparation of PRO polypeptides, for generating transgenic animals
CC or knockout animals, to construct hybridisation probes for mapping the
CC gene which encodes the PRO polypeptide, and for the genetic analysis of
CC individuals with genetic disorders, in gene therapy, for chromosome
CC identification, as chromosome markers, and for generating probes for PCR,
CC ABO26037 represent the human PRO polypeptides of the invention. Note: The
CC sequence data for this patent was obtained in electronic format directly
CC from the USPTO web site at seqdata.uspto.gov/paipsIDEntry.html
XX
SQ Sequence 105 AA;
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db |||||
QY 20 AVITGACERDVQCAGTCCCAISLWLRGLRMCTPLGREGECECHGSHKVPFFRRKHHTCP 79
Db |||||
QY 61 CLPNLLCSRFDPGRYRCMDLKNINF 86
Db |||||
QY 80 CLPNLLCSRFDPGRYRCMDLKNINF 105
Db |||||
RESULT 53
ABO25075
ID ABO25075 standard; protein; 105 AA.
XX
AC ABO25075;
XX
DT 05-SEP-2003 (first entry)
XX
DE Human secreted/transmembrane protein (PRO) #235.
XX
XX Human; PRO; secreted protein; transmembrane protein; tumour; cytostatic;

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gene therapy; tumour necrosis factor-alpha; TNF-alpha; blood;
proteoglycan; cartilage; cytokine; peripheral blood mononuclear cell;
PBMC; glucose uptake; FFA; skeletal muscle cell; adipocyte cell;
chondrocyte cell proliferation; chondrocyte cell differentiation;
pericyte cell; inner ear utricular supporting cell; T-lymphocyte cell;
endothelial cell; A-peptide; factor VIIA.

Homo sapiens.

US2003036179-A1.

20-FEB-2003.

10-MAY-2002; 2002US-00142431.

31-MAR-1997; 97WO-US005230.

12-JUN-1998; 98WO-US012456.

14-JUL-1998; 98WO-US014552.

28-AUG-1998; 98WO-US017888.

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14-SEP-1998; 98WO-US019177.

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17-SEP-1998; 98WO-US019437.

07-OCT-1998; 98WO-US021141.

29-OCT-1998; 98WO-US022991.

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20-NOV-1998; 98WO-US024855.

01-DEC-1998; 98WO-US025108.

05-JAN-1999; 98WO-US000106.

08-MAR-1999; 98WO-US005028.

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30-NOV-1999; 98WO-US028409.

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02-DEC-1999; 98WO-US028551.

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22-MAY-2000; 2000WO-US014042.

30-MAY-2000; 2000WO-US014941.

02-JUN-2000; 2000WO-US015264.

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20-DEC-2000; 2000WO-US034956.

28-FEB-2001; 2001US-00796498.

28-FEB-2001; 2001WO-US006520.

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14-MAR-2001; 2001US-00808689.

22-MAR-2001; 2001US-00816744.

05-APR-2001; 2001US-00828366.

10-MAY-2001; 2001US-00854208.

10-MAY-2001; 2001US-00854280.

18-MAY-2001; 2001US-00860216.

25-MAY-2001; 2001US-00866028.

25-MAY-2001; 2001US-00866034.

25-MAY-2001; 2001WO-US017092.

01-JUN-2001; 2001US-00872035.

01-JUN-2001; 2001WO-US017800.

05-JUN-2001; 2001US-00874503.

14-JUN-2001; 2001US-00882636.

19-JUN-2001; 2001US-00886342.

20-JUN-2001; 2001WO-US019692.

21-JUN-2001; 2001US-00887879.

22-JUN-2001; 2001WO-US020116.

29-JUN-2001; 2001WO-US021066.

09-JUL-2001; 2001WO-US021735.

18-JUL-2001; 2001US-00908827.

06-AUG-2001; 2001US-00924419.

09-AUG-2001; 2001US-00927796.

16-AUG-2001; 2001US-00931836.

19-DEC-2001; 2001US-00028072.

(GETH) GENENTECH INC.

Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;

Gerritsen ME, Goddard A, Godowski PU, Gurney AL, Sherwood S;

Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

WPI: 2003-466355/44.

N-PSDB; ACD42029.

New isolated nucleic acid encoding a PRO polypeptide, e.g. PRO1114 or

PRO4978, useful in molecular biology, chromosome and gene mapping, in

generating antisense RNA and DNA, and in gene therapy.

Claim 12; Fig 470; 659pp; English.

The invention relates to an isolated nucleic acid comprising at least 80%

sequence identity to a PRO (secreted and transmembrane protein) cDNA

comprising a nucleic acid (a) encoding a PRO polypeptide, or its

extracellular domain (with or without its associated signal peptide),

which comprises any of the 275 120-850 residue amino acid sequences,

given in the specification; (b) comprising any of the 275 300-3500

nucleotide sequences, given in the specification; or (c) comprising the

full-length coding sequence of the nucleotide sequences given in the

specification, or of the DNA deposited under any of the American Type

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CC PRO polypeptide, modulating at least one biological activity of a cell
CC expressing a PRO polypeptide, stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, for proteoglycans from
CC cartilage or cytokine from peripheral blood mononuclear cells (PBMC)),
CC modulating the uptake of glucose or FFA by skeletal muscle cells or
CC adipocyte cells, stimulating the proliferation or differentiation of
CC chondrocyte cells (or proliferation of or gene expression in pericyte
CC cells), stimulating the proliferation of inner ear utricular supporting
CC cells (or of T-lymphocyte cells, or of endothelial cells), inhibiting the
CC binding of A-peptide to factor VIIA, or differentiation of adipocyte
CC cells, detecting the presence of a tumour in a mammal and an
CC oligonucleotide probe derived from any of the nucleotide sequences given
CC in the specification. The polynucleotide is useful in molecular biology,
CC including uses as hybridisation probes, in chromosome and gene mapping,
CC in generating antisense RNA and DNA, and in gene therapy. The
CC polynucleotide may also be used in preparing PRO polypeptides by
CC recombinant techniques, and in generating either transgenic animals or
CC knock-out animals which, in turn, are useful in the development and
CC screening of therapeutically useful reagents. The PRO polypeptide or the
CC antibody is used in preparing a medicament for treating a condition
CC responsive to the polypeptide or antibody, such as tumours, and in
CC various diagnostic assays. The present sequence represents a PRO
CC polypeptide
XX
XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHTCP 79
QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 54
ABU82130
ID ABU82130 standard; protein; 105 AA.
XX
XX ABU82130;
XX
XX 25-JUN-2003 (first entry)
XX
XX Novel human secreted and transmembrane protein PRO1166.
XX Human; secreted and transmembrane protein; PRO; cardiac; cytostatic;
KW antiangiogenic; hypotensive; vulnery; antiarteriosclerotic;
KW gene therapy; cardiovascular disorder; endothelial disorder;
KW angiogenic disorder; cardiac hypertrophy; trauma; cancer;
KW age-related macular degeneration; atherosclerosis; hypertension;
KW arterial restenosis; rheumatoid arthritis; angina; myocardial infarction;
KW thrombophlebitis; lymphangitis; tumour angiogenesis; breast carcinoma;
KW liver carcinoma; wound healing; chromosome mapping; gene mapping.
XX Homo sapiens.
OS
XX US2003088063-A1.
FN
XX
XX 08-MAY-2003.
PD
XX
XX 12-AUG-2002; 2002US-00219003.
PF
XX
XX 25-JUL-2000; 2000US-0220664P.
PR 01-JUN-2001; 2001WO-US017800.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-APR-2002; 2002US-00119480.
XX
XX (GETH) GENENTECH INC.

PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX
DR WPI: 2003-393229/37.
DR N-PSDB; ACA68579.
XX
XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
PT infarction), endothelial or angiogenic disorders in a mammal.
XX
PS Claim 11; Fig 166; 314pp; English.

XX The invention describes one hundred and eighty seven nucleic acids
XX encoding novel human secreted and transmembrane (PRO) polypeptides. The
CC PRO nucleic acids, polypeptides, agonists and antagonists are useful for
CC treating or diagnosing a cardiovascular, endothelial or angiogenic
CC disorder in a mammal, e.g. cardiac hypertrophy, trauma, cancer, age-
CC related macular degeneration, atherosclerosis, hypertension, arterial
CC restenosis, rheumatoid arthritis, angina, myocardial infarctions,
CC thrombophlebitis, lymphangitis, tumour angiogenesis (such as breast
CC carcinoma and liver carcinoma) and wound healing. The PRO nucleic acids
CC have applications in molecular biology, including use as hybridisation
CC probes, and in chromosome and gene mapping. This is the amino acid
CC sequence of a novel human secreted and transmembrane PRO polypeptide
XX
XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHTCP 60
Db 20 AVITGACERDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFFRKRKHTCP 79
QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105

RESULT 55
ABU59014
ID ABU59014 standard; protein; 105 AA.
XX
XX ABU59014;
XX
XX 16-APR-2003 (first entry)
XX
XX Human secreted/transmembrane protein, #151.
XX Human; PRO; secreted; transmembrane; signal peptide; pharmaceutical;
KW diagnostic; biosensor; bioreactor; tumour; therapeutic; colon cancer;
KW lung cancer; breast cancer; cancer; gene therapy.
XX
XX Homo sapiens.
XX
XX US2002142961-A1.
FN
XX
XX 03-OCT-2002.
PD
XX
XX 19-NOV-2001; 2001US-00989721.
PF
XX
XX 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 28-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.

KW cytostatic; chromosome mapping; gene mapping; transgenic animal;
XX knockout animal; immunohistochemical staining.

OS Homo sapiens.

PN US2003022187-A1.

XX 30-JAN-2003.

PF 14-NOV-2001; 2001US-00993667.

XX 16-JUN-1997; 97US-0049787P.

PR 17-OCT-1997; 97US-0062250P.

PR 05-NOV-1997; 97WO-US020069.

PR 12-NOV-1997; 97US-0065186P.

PR 13-NOV-1997; 97US-0065311P.

PR 24-NOV-1997; 97US-0066770P.

PR 25-FEB-1998; 98US-0075945P.

PR 20-MAR-1998; 98US-0078910P.

PR 28-APR-1998; 98US-0083322P.

PR 07-MAY-1998; 98US-0084600P.

PR 28-MAY-1998; 98US-0087106P.

PR 02-JUN-1998; 98US-0087607P.

PR 02-JUN-1998; 98US-0087609P.

PR 02-JUN-1998; 98US-0087759P.

PR 03-JUN-1998; 98US-0087827P.

PR 04-JUN-1998; 98US-0088021P.

PR 04-JUN-1998; 98US-0088025P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088028P.

PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090542P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091360P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 09-JUL-1998; 98US-0091982P.
PR 10-JUL-1998; 98US-0092472P.
PR 30-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 10-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 11-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 18-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98US-0100634P.
PR 17-SEP-1998; 98US-0100858P.

PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 99WO-US000106.
PR 20-FEB-1999; 99WO-US030911.
PR 08-MAR-1999; 99WO-US005028.
PR 12-MAR-1999; 99US-0123957P.
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 23-JUN-2000; 2000US-0213637P.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.

Query Match 100.0%; Score 86; DB 6; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.5e-86;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVCGAGTCCCAISLWGLRMCTPLGREGECHPGSHKVPFRRKRKHTTCP 60

DB 20 AVITGACRDVCGAGTCCCAISLWGLRMCTPLGREGECHPGSHKVPFRRKRKHTTCP 79

QY 61 CLPNLLCSRFPPDGRYRCSMDLNKINF 86

DB 80 CLPNLLCSRFPPDGRYRCSMDLNKINF 105

RESULT 57

ABUS9457

ID ABUS9457 standard; protein; 105 AA.

XX AC ABUS9457;

XX DT 22-APR-2003 (first entry)

XX DE Novel human secreted or transmembrane protein PRO1198.

KW Human; PRO; hypertrophy of neonatal heart; angiogenesis; wound healing;
KW cardiac insufficiency disorder; cancer; tumour; immune response;
KW adrenal cortical capillary endothelial growth; c-fos induction;
KW vascular endothelial growth factor inhibition; VEGF inhibition;
KW endothelial cell growth inhibitor; T-lymphocytes stimulation;
KW retinal neurons cell survival; rod photoreceptor cell survival;
KW retinal disorder; retinitis pigmentosa; kidney disorder;

KW mammalian kidney mesangial cell proliferation; Berger disease;
KW dermatitis; herpeticiformis; Crohn's disease; chondrocyte proliferation;
XX chondrocyte redifferentiation; sports injury; arthritis.
OS Homo sapiens.
XX US2003027985-A1.
XX PD 06-FEB-2003.
XX 14-NOV-2001; 2001US-00990562.
XX PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
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PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
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PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
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PR 17-JUN-1998; 98US-0089598P.
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PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
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PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090435P.

PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090472P.
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PR 24-JUN-1998; 98US-0090542P.
PR 24-JUN-1998; 98US-0090577P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090690P.
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PR 01-JUL-1998; 98US-0091360P.
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PR 02-JUL-1998; 98US-0091478P.
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PR 02-JUL-1998; 98US-0091628P.
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PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
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PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
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PR 10-AUG-1998; 98US-0095916P.
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PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
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PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
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PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096953P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
PR 26-AUG-1998; 98US-0097974P.
PR 26-AUG-1998; 98US-0097978P.
PR 26-AUG-1998; 98US-0097979P.
PR 26-AUG-1998; 98US-0097986P.
PR 26-AUG-1998; 98US-0098014P.
PR 31-AUG-1998; 98US-0098525P.
PR 16-SEP-1998; 98US-0100634P.
PR 16-SEP-1998; 98US-01019330.

PR 17-SEP-1998; 98US-0100858P.
PR 17-SEP-1998; 98US-01019437.
PR 07-OCT-1998; 98US-01021141.
PR 01-DEC-1998; 98US-01025108.
PR 22-DEC-1998; 98US-0113296P.
PR 05-JAN-1999; 98US-0113296P.
PR 08-MAR-1999; 98US-0113296P.
PR 12-MAR-1999; 98US-0123957P.
PR 02-JUN-1999; 98US-0123957P.
PR 23-JUN-1999; 98US-0141037P.
PR 07-JUL-1999; 98US-0143048P.
PR 20-JUL-1999; 98US-0144758P.
PR 26-JUL-1999; 98US-0145698P.
PR 28-JUL-1999; 98US-0146222P.
PR 17-AUG-1999; 98US-0149396P.
PR 15-SEP-1999; 98US-0149396P.
PR 15-SEP-1999; 98US-02021090.
PR 08-OCT-1999; 98US-02021547.
PR 08-OCT-1999; 98US-0158663P.
PR 30-NOV-1999; 98US-02028313.
PR 01-DEC-1999; 98US-02028313.
PR 01-DEC-1999; 98US-02028634.
PR 16-DEC-1999; 98US-02028634.
PR 20-DEC-1999; 98US-02030911.
PR 05-JAN-2000; 98US-02030911.
PR 06-JAN-2000; 2000US-0000219.
PR 11-FEB-2000; 2000US-0000376.
PR 18-FEB-2000; 2000US-0003565.
PR 22-FEB-2000; 2000US-0004341.
PR 22-FEB-2000; 2000US-0004414.
PR 24-FEB-2000; 2000US-0004914.
PR 24-FEB-2000; 2000US-0005004.
PR 02-MAR-2000; 2000US-0005841.
PR 10-MAR-2000; 2000US-0006319.
PR 15-MAR-2000; 2000US-0006884.
PR 20-MAR-2000; 2000US-0007377.
PR 30-MAR-2000; 2000US-0008439.
PR 15-MAY-2000; 2000US-0013358.
PR 17-MAY-2000; 2000US-0013705.
PR 22-MAY-2000; 2000US-0014042.
PR 30-MAY-2000; 2000US-0014941.

Query Match Best Local Similarity 100.0%; Score 86; DB 6; Length 105;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGREGECCHPGSHKVPFFRRKRHHHTCP 60
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Db 20 AVITGACERDVQCGAGTCCALSLMLRGLRMCTPLGREGECCHPGSHKVPFFRRKRHHHTCP 79
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OY 61 CLPNLLCSRFDPDGRYCSMDLKNINF 86
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Db 80 CLPNLLCSRFDPDGRYCSMDLKNINF 105
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RESULT 58

ABU67080

ID ABU67080 standard; protein; 105 AA.

XX AC ABU67080;

XX DT 27-MAY-2003 (first entry)

XX DE Human secreted/transmembrane, PRO, protein SEQ ID 470.

XX KW Human; secreted protein; transmembrane protein; PRO;

XX KW inflammatory disease; organ failure; atherosclerosis; cardiac injury;

XX KW infertility; birth defects; premature aging; AIDS; biosensor;

XX KW acquired immunodeficiency syndrome; cancer; diabetic complication;

XX OS bioreactor; tumour.

XX OS Homo sapiens.

XX PN US2003032155-A1.

XX XX

PD	13-FEB-2003.		
XX			
PF	03-MAY-2002; 2002US-00137865.		
XX			
PR	31-MAR-1997; 97WO-US0052230.	PR	20-DEC-2000; 2000US-00747259.
PR	12-JUN-1998; 98WO-US012456.	PR	20-DEC-2000; 2000WO-US034956.
PR	14-JUL-1998; 98WO-US014552.	PR	28-FEB-2001; 2001US-00796498.
PR	28-AUG-1998; 98WO-US017888.	PR	28-FEB-2001; 2001WO-US006520.
PR	10-SEP-1998; 98WO-US018824.	PR	01-MAR-2001; 2001WO-US006666.
PR	14-SEP-1998; 98WO-US019093.	PR	09-MAR-2001; 2001US-00802706.
PR	14-SEP-1998; 98WO-US019177.	PR	14-MAR-2001; 2001US-00808689.
PR	16-SEP-1998; 98WO-US019330.	PR	22-MAR-2001; 2001US-00816744.
PR	17-SEP-1998; 98WO-US019437.	PR	05-APR-2001; 2001US-00828366.
PR	07-OCT-1998; 98WO-US021141.	PR	10-MAY-2001; 2001US-00854208.
PR	29-OCT-1998; 98WO-US022991.	PR	18-MAY-2001; 2001US-00860216.
PR	20-OCT-1998; 98WO-US022992.	PR	25-MAY-2001; 2001US-00866028.
PR	20-NOV-1998; 98WO-US024855.	PR	25-MAY-2001; 2001US-00866034.
PR	01-DEC-1998; 98WO-US025108.	PR	25-MAY-2001; 2001US-00866034.
PR	05-JAN-1999; 99WO-US000106.	PR	25-MAY-2001; 2001WO-US017092.
PR	08-MAR-1999; 99WO-US005028.	PR	01-JUN-2001; 2001US-00872035.
PR	10-MAR-1999; 99WO-US005190.	PR	01-JUN-2001; 2001WO-US017800.
PR	20-APR-1999; 99WO-US008615.	PR	05-JUN-2001; 2001US-00874503.
PR	14-MAY-1999; 99WO-US010733.	PR	14-JUN-2001; 2001US-00882636.
PR	02-JUN-1999; 99WO-US012252.	PR	19-JUN-2001; 2001US-00886342.
PR	01-SEP-1999; 99WO-US020111.	PR	20-JUN-2001; 2001WO-US019692.
PR	08-SEP-1999; 99WO-US020594.	PR	21-JUN-2001; 2001US-00887879.
PR	13-SEP-1999; 99WO-US020944.	PR	22-JUN-2001; 2001WO-US020116.
PR	15-SEP-1999; 99WO-US021090.	PR	29-JUN-2001; 2001WO-US021066.
PR	15-SEP-1999; 99WO-US021547.	PR	09-JUL-2001; 2001WO-US021735.
PR	05-OCT-1999; 99WO-US023089.	PR	18-JUL-2001; 2001US-00908827.
PR	29-NOV-1999; 99WO-US028214.	PR	06-AUG-2001; 2001US-00924419.
PR	30-NOV-1999; 99WO-US028313.	PR	09-AUG-2001; 2001US-00927796.
PR	30-NOV-1999; 99WO-US028409.	PR	16-AUG-2001; 2001US-00931836.
PR	01-DEC-1999; 99WO-US028301.	PR	19-DEC-2001; 2001US-00028072.
PR	01-DEC-1999; 99WO-US028634.	XX	
PR	02-DEC-1999; 99WO-US028551.	XX	(GETH) GENENTECH INC.
PR	02-DEC-1999; 99WO-US028564.	XX	
PR	02-DEC-1999; 99WO-US028565.	XX	Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff B, Gao W;
PR	16-DEC-1999; 99WO-US030095.	PI	Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PR	20-DEC-1999; 99WO-US030911.	PI	Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
PR	20-DEC-1999; 99WO-US030999.	XX	
PR	22-DEC-1999; 99WO-US030720.	DR	WPI; 2003-331925/31.
PR	30-DEC-1999; 99WO-US031243.	DR	N-PSDB; ACA04258.
PR	30-DEC-1999; 99WO-US031274.	XX	
PR	05-JAN-2000; 2000WO-US000219.	XX	New secreted and transmembrane nucleic acids and polypeptides, designated
PR	06-JAN-2000; 2000WO-US000277.	PT	as PRO, useful for treating inflammation, organ failure, atherosclerosis,
PR	11-FEB-2000; 2000WO-US000376.	PT	cardiac injury, infertility, birth defects, premature aging, AIDS, or
PR	11-FEB-2000; 2000WO-US003565.	PT	cancer.
PR	18-FEB-2000; 2000WO-US004341.	XX	Claim 12; Fig 470; 659pp; English.
PR	18-FEB-2000; 2000WO-US004342.	XX	
PR	22-FEB-2000; 2000WO-US004414.	CC	The invention relates to an isolated nucleic acid comprising, or which is
PR	24-FEB-2000; 2000WO-US004914.	CC	at least 80% identical to, or the full-length coding sequence of, any of
PR	24-FEB-2000; 2000WO-US005004.	CC	the 275 nucleotide sequences, encoding the corresponding PRO polypeptide
PR	01-MAR-2000; 2000WO-US005601.	CC	(one of 275 secreted or transmembrane proteins). The nucleic acid further
PR	02-MAR-2000; 2000WO-US005746.	CC	comprises the full-length coding sequence of the DNA deposited under
PR	02-MAR-2000; 2000WO-US005841.	CC	American Type Culture Collection (ATCC) accession number in a list given
PR	10-MAR-2000; 2000WO-US006319.	CC	in the specification. Also included are vectors and host cells for
PR	15-MAR-2000; 2000WO-US006884.	CC	producing PRO proteins, PRO fusion proteins, anti-PRO antibodies, PRO
PR	20-MAR-2000; 2000WO-US007377.	CC	extracellular domains and mature sequences, methods of detecting PRO
PR	21-MAR-2000; 2000WO-US007532.	CC	proteins, methods for stimulating the release of TNF-alpha (tumour
PR	30-MAR-2000; 2000WO-US008439.	CC	necrosis factor alpha) from human blood, (and the proliferation of
PR	17-MAY-2000; 2000WO-US013705.	CC	differentiation of chondrocyte cells, the proliferation of, or gene
PR	22-MAY-2000; 2000WO-US014042.	CC	expression in pericyte cells, the release of proteoglycans from
PR	30-MAY-2000; 2000WO-US014941.	CC	collagen, proliferation of inner ear utricular supporting cells, the
PR	02-JUN-2000; 2000WO-US015264.	CC	proliferation of T-lymphocyte cells, the release of a cytokine from
PR	28-JUL-2000; 2000WO-US020710.	CC	peripheral blood mononuclear cells (PBMC), or the proliferation of
PR	11-AUG-2000; 2000WO-US022031.	CC	endothelial cells), a method for modulating the uptake of glucose or free
PR	23-AUG-2000; 2000WO-US023522.	CC	fatty acid (FFA) by skeletal muscle cells, a method for inhibiting the
PR	24-AUG-2000; 2000WO-US023328.	CC	binding of A-peptide to factor VIIa, or the differentiation of adipocyte
PR	08-NOV-2000; 2000WO-US030952.	CC	cells, a method for detecting the presence of a tumour in a mammal and an
PR	10-NOV-2000; 2000WO-US030873.	CC	oligonucleotide probe derived from any of the nucleotide sequences cited
PR	01-DEC-2000; 2000WO-US033678.	CC	above. The nucleic acids and polypeptides are useful for treating
		CC	inflammatory diseases, organ failure, atherosclerosis, cardiac injury,
		CC	infertility, birth defects, premature aging, AIDS (acquired
		CC	immunodeficiency syndrome), cancer, or diabetic complications. The
		CC	nucleic acids are useful as hybridisation probes, in chromosome and gene

CC mapping, and in generating antisense RNA or DNA. The polypeptides are
CC useful as pharmaceuticals, diagnostics, biosensors or bioeffectors. Both
CC are useful in tissue typing. The present sequence represents a PRO
CC protein of the invention
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 20 AVITGACERDVQCGAGTCCCAISLWGLRMCTPLGREGCHPGSHKVPFFRKRKHTCP 79
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OY 61 CLPNLLCSFPDGRYRCSDLNKNIF 86
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DB 80 CLPNLLCSFPDGRYRCSDLNKNIF 105
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RESULT 59

ABU92223
ID ABU92223 standard; protein; 105 AA.

XX AC ABU92223;

DT XX 16-JUL-2003 (first entry)

DE XX Novel human secreted and transmembrane protein PRO1186.

KW Human; secreted and transmembrane protein; PRO; neurotropic;
KW neuroprotective; antiparkinsonian; cytosolic; gene therapy;
KW chromosome mapping; gene mapping; transgenic animal; knock-out animal;
KW neurodegenerative disorder; Parkinson's disease; Alzheimer's disease.

XX OS Homo sapiens.

XX US US2003017476-A1.

PN XX 23-JAN-2003.

PF XX 20-NOV-2001; 2001US-00989724.

XX 16-JUN-1997; 97US-0049787P.

PR 17-OCT-1997; 97US-0062250P.

PR 05-NOV-1997; 97WO-US020069.

PR 12-NOV-1997; 97US-0065186P.

PR 13-NOV-1997; 97US-0065311P.

PR 24-NOV-1997; 97US-0066770P.

PR 25-FEB-1998; 98US-0075945P.

PR 20-MAR-1998; 98US-0078910P.

PR 28-APR-1998; 98US-0083322P.

PR 07-MAY-1998; 98US-0084600P.

PR 28-MAY-1998; 98US-0087106P.

PR 02-JUN-1998; 98US-0087607P.

PR 02-JUN-1998; 98US-0087609P.

PR 02-JUN-1998; 98US-0087759P.

PR 03-JUN-1998; 98US-0087827P.

PR 04-JUN-1998; 98US-0088021P.

PR 04-JUN-1998; 98US-0088025P.

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PR 04-JUN-1998; 98US-0088028P.

PR 04-JUN-1998; 98US-0088029P.

PR 04-JUN-1998; 98US-0088030P.

PR 04-JUN-1998; 98US-0088033P.

PR 04-JUN-1998; 98US-0088326P.

PR 05-JUN-1998; 98US-0088167P.

PR 05-JUN-1998; 98US-0088202P.

PR 05-JUN-1998; 98US-0088212P.

PR 05-JUN-1998; 98US-0088217P.

PR 09-JUN-1998; 98US-0088655P.

PR 10-JUN-1998; 98US-0088734P.

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PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
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PR 24-JUN-1998; 98US-0090540P.
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PR 25-JUN-1998; 98US-0090576P.
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PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091360P.
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PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 30-JUL-1998; 98US-0093339P.
PR 04-AUG-1998; 98US-0094651P.
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PR 04-AUG-1998; 98US-0095302P.
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PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.

PR 12-AUG-1998;	98US-0096329P.
PR 17-AUG-1998;	98US-0096757P.
PR 17-AUG-1998;	98US-0096766P.
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PR 17-AUG-1998;	98US-0096773P.
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PR 31-AUG-1998;	98US-0098014P.
PR 16-SEP-1998;	98US-0098525P.
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PR 17-SEP-1998;	98US-0100858P.
PR 17-SEP-1998;	98WO-US019437.
PR 07-OCT-1998;	98WO-US021141.
PR 01-DEC-1998;	98WO-US025108.
PR 22-DEC-1998;	98US-0113296P.
PR 05-JAN-1999;	99WO-US000106.
PR 08-MAR-1999;	99WO-US005028.
PR 12-MAR-1999;	99US-0123957P.
PR 02-JUN-1999;	99WO-US012252.
PR 23-JUN-1999;	99US-0141037P.
PR 07-JUL-1999;	99US-0143048P.
PR 20-JUL-1999;	99US-0144758P.
PR 26-JUL-1999;	99US-0145698P.
PR 28-JUL-1999;	99US-0146222P.
PR 17-AUG-1999;	99US-0149396P.
PR 15-SEP-1999;	99WO-US021090.
PR 15-SEP-1999;	99WO-US021547.
PR 08-OCT-1999;	99US-0158663P.
PR 30-NOV-1999;	99WO-US028313.
PR 01-DEC-1999;	99WO-US028301.
PR 16-DEC-1999;	99WO-US028634.
PR 20-DEC-1999;	99WO-US030095.
PR 05-JAN-2000;	99WO-US030911.
PR 06-JAN-2000;	2000WO-US000219.
PR 11-FEB-2000;	2000WO-US000376.
PR 18-FEB-2000;	2000WO-US003565.
PR 22-FEB-2000;	2000WO-US004341.
PR 24-FEB-2000;	2000WO-US004414.
PR 24-FEB-2000;	2000WO-US004914.
PR 02-MAR-2000;	2000WO-US005004.
PR 10-MAR-2000;	2000WO-US005841.
PR 15-MAR-2000;	2000WO-US006319.
PR 20-MAR-2000;	2000WO-US006884.
PR 30-MAR-2000;	2000WO-US007377.
PR 15-MAY-2000;	2000WO-US008439.
PR 17-MAY-2000;	2000WO-US013358.
PR 22-MAY-2000;	2000WO-US013705.
PR 30-MAY-2000;	2000WO-US014941.
PR 02-JUN-2000;	2000WO-US015264.
PR 23-JUN-2000;	2000US-0213637P.
PR 28-JUL-2000;	2000WO-US020710.
PR 11-AUG-2000;	2000WO-US022031.
PR 23-AUG-2000;	2000WO-US023522.
PR 24-AUG-2000;	2000WO-US023328.
Query Match 100.0%; Score 86; DB 6; Length 105; Best Local Similarity 100.0%; Pred. No. 3.5e-86; Mismatches 0; Indels 0; Gaps 0; Matches 86; Conservative 0;	
QY 1 AVITGACERDVOCAGTCCATISLWRLGRLMCTPLGRREGEECHPGSHKVPFFPKRKHHHTCP 60	
Db 20 AVITGACERDVOCAGTCCATISLWRLGRLMCTPLGRREGEECHPGSHKVPFFPKRKHHHTCP 79	
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86	
Db 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105	
RESULT 60	
ABU10929	
ID ABU10929 standard; protein; 105 AA.	
XX	
AC ABU10929;	
XX	
DT 04-FEB-2003 (first entry)	
XX	
DE Human PRO polypeptide #115.	
XX	
KW Human; PRO; secreted polypeptide; transmembrane polypeptide; toxin;	
KW radiolabel; cell death; gene mapping; chromosome mapping;	
KW protein electrophoresis; genetic disorder; immunosuppressive; cytostatic;	
KW antibacterial.	
XX	
OS Homo sapiens.	
XX	
PN US2002123463-A1.	
XX	
PD 05-SEP-2002.	
XX	
PF 19-NOV-2001; 2001US-00989732.	
XX	
PR 16-JUN-1997;	97US-0049787P.
PR 17-OCT-1997;	97US-0062250P.
PR 05-NOV-1997;	97WO-US020069.
PR 12-NOV-1997;	97US-0065186P.
PR 13-NOV-1997;	97US-0065311P.
PR 24-NOV-1997;	97US-0066770P.
PR 25-FEB-1998;	98US-0075945P.
PR 20-MAR-1998;	98US-0078910P.
PR 28-APR-1998;	98US-0083322P.
PR 07-MAY-1998;	98US-0084600P.
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PR 10-JUN-1998;	98US-0088810P.
PR 10-JUN-1998;	98US-0088824P.

PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
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PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US01937.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 98WO-US000106.
PR 08-MAR-1999; 98WO-US005028.
PR 02-JUN-1999; 98WO-US012252.
PR 15-SEP-1999; 98WO-US021090.
PR 15-SEP-1999; 98WO-US021547.
PR 30-NOV-1999; 98WO-US028313.
PR 01-DEC-1999; 98WO-US028301.
PR 01-DEC-1999; 98WO-US028634.
PR 16-DEC-1999; 98WO-US030095.
PR 20-DEC-1999; 98WO-US030911.
PR 06-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX (GETH) GENENTECH INC.
XX
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WT;
PI Zhang Z;
XX
XX WPI; 2003-066810/06.
DR N-PSDB; ABX17148.
XX
XX
PT Novel secreted and transmembrane polypeptide for modulating biological

PT activity of cell expressing the polypeptide, identifying agonists or
PT antagonists of polypeptide, and as molecular weight markers.
XX
PS Claim 12; Fig 266; 655pp; English.
XX
CC The invention relates to a secreted and transmembrane polypeptide, termed
CC PRO polypeptide, and the polynucleotide encoding it. The polypeptide is
CC useful for detecting PRO polypeptides and for linking a bioactive
CC molecule to a cell expressing the above polypeptides, where the bioactive
CC molecule is a toxin, radiolabel or an antibody. The bioactive material
CC causes the death of the cell. The polypeptide is useful for identifying
CC agonists or antagonists of the PRO polypeptide, for preparing variants of
CC PRO, as a molecular weight marker for protein electrophoresis purposes
CC and the PRO polynucleotide is useful for recombinantly expressing those
CC markers. The polynucleotide is also useful as a hybridisation probe, in
CC chromosome and gene mapping, in generation of antisense RNA and DNA, in
CC the preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, to construct hybridisation
CC probes for mapping the gene which encodes PRO and for the genetic
CC analysis of individuals with genetic disorders, in gene therapy, for
CC chromosome identification, as a chromosome marker and for generating
CC probes for PCR, Northern analysis, Southern analysis and Western
CC analysis. This sequence represents a human PRO polypeptide of the
CC invention
XX
SQ Sequence 105 AA;
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCALSLWRLGLRMCTPLGREGEBCPGSHKVPFRKRKHHTCP 60
DB 20 AVITGACERDVQCGAGTCCALSLWRLGLRMCTPLGREGEBCPGSHKVPFRKRKHHTCP 79
QY 61 CLPNLLCSRFPGGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRFPGGRYRCSMDLKNINF 105
RESULT 61
ABU81681
ID ABU81681 standard; protein; 105 AA.
XX
AC ABU81681;
XX
DT 24-JUN-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; gene therapy; PRO; PRO943;
KW PRO183; PRO184; PRO185; PRO331; PRO1133; PRO363; PRO5723; PRO1387;
KW PRO1114; PRO3301; PRO9940; PRO1181; PRO170; PRO361; PRO846;
KW bioactive molecule; toxin; radiolabel; antibody; cell death; cancer;
KW autoimmune disease; chromosome mapping; gene mapping; transgenic animal;
KW knockout animal; septic shock.
XX
OS Homo sapiens.
XX
FN US2002177164-A1.
XX
PD 28-NOV-2002.
XX
PF 20-NOV-2001; 2001US-00989293.
XX
XX 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.

PR	20-MAR-1998:	98US-0078910P.	PR	02-JUN-2000:	2000WO-US015264.
PR	28-APR-1998:	98US-0083322P.	PR	28-JUL-2000:	2000WO-US020710.
PR	07-MAY-1998:	98US-0084600P.	PR	11-AUG-2000:	2000WO-US022031.
PR	28-MAY-1998:	98US-0087106P.	PR	23-AUG-2000:	2000WO-US023522.
PR	02-JUN-1998:	98US-0087609P.	PR	24-AUG-2000:	2000WO-US023328.
PR	02-JUN-1998:	98US-0087759P.	PR	08-NOV-2000:	2000WO-US030952.
PR	02-JUN-1998:	98US-0087827P.	PR	01-DEC-2000:	2000WO-US032678.
PR	03-JUN-1998:	98US-0088021P.	PR	28-FEB-2001:	2001WO-US006520.
PR	04-JUN-1998:	98US-0088025P.	PR	01-JUN-2001:	2001WO-US017800.
PR	04-JUN-1998:	98US-0088026P.	PR	20-JUN-2001:	2001WO-US019692.
PR	04-JUN-1998:	98US-0088028P.	PR	29-JUN-2001:	2001WO-US021066.
PR	04-JUN-1998:	98US-0088029P.	PR	09-JUL-2001:	2001WO-US021735.
PR	04-JUN-1998:	98US-0088030P.	XX	28-AUG-2001:	2001US-00941992.
PR	04-JUN-1998:	98US-0088033P.	PA	(GETH)	GENENTECH INC.
PR	04-JUN-1998:	98US-0088326P.	XX		
PR	05-JUN-1998:	98US-0088167P.	PI	Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;	
PR	05-JUN-1998:	98US-0088202P.	PI	Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;	
PR	05-JUN-1998:	98US-0088212P.	PI	Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;	
PR	05-JUN-1998:	98US-0088217P.	PI	Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;	
PR	09-JUN-1998:	98US-0088655P.	PI	Zhang Z;	
PR	10-JUN-1998:	98US-0088734P.	XX		
PR	10-JUN-1998:	98US-0088742P.	DR	WPI; 2003-328481/31.	
PR	10-JUN-1998:	98US-0088810P.	DR	N-PSDB; ACA68003.	
PR	10-JUN-1998:	98US-0088824P.	XX		
PR	10-JUN-1998:	98US-0088826P.	PT	New secreted and transmembrane polypeptide, useful for modulating	
PR	11-JUN-1998:	98US-0088858P.	PT	biological activity of cell expressing the polypeptide, for identifying	
PR	11-JUN-1998:	98US-0088861P.	XX	agonists or antagonists of polypeptide, and as molecular weight markers.	
PR	11-JUN-1998:	98US-0088876P.	PS	Claim 12; Fig 266; 654pp; English.	
PR	12-JUN-1998:	98US-0089105P.	XX		
PR	16-JUN-1998:	98US-0089440P.	CC	The invention describes an isolated, secreted and transmembrane	
PR	16-JUN-1998:	98US-0089512P.	CC	polypeptide (I), termed PRO polypeptide. (I) is useful for detecting	
PR	16-JUN-1998:	98US-0089532P.	CC	PRO343, PRO183, PRO184, PRO185, PRO331, PRO133, PRO363, PRO5723,	
PR	17-JUN-1998:	98US-0089538P.	CC	PRO387, PRO114, PRO3301, PRO9940, PRO1181, PRO7170, PRO361 or PRO846	
PR	17-JUN-1998:	98US-0089598P.	CC	polypeptide comprising contacting the sample with the polypeptide and	
PR	17-JUN-1998:	98US-0089599P.	CC	determining formation of a polypeptide conjugate. (I) is also useful for	
PR	17-JUN-1998:	98US-0089600P.	CC	linking a bioactive molecule e.g. toxin, radiolabel or antibody, to a	
PR	17-JUN-1998:	98US-0089653P.	CC	cell expressing the above polypeptides to cause cell death. (I) is also	
PR	18-JUN-1998:	98US-0089801P.	CC	useful as a therapeutic agent e.g. for treating cancer and autoimmune	
PR	18-JUN-1998:	98US-0089807P.	CC	disease. PRO is useful in assays to identify other proteins or molecules	
PR	18-JUN-1998:	98US-0089908P.	CC	involved in binding interactions. The polynucleotide (II) encoding (I) is	
PR	16-SEP-1998:	98WO-US019330.	CC	useful in chromosome and gene mapping, for generating transgenic animals	
PR	07-OCT-1998:	98WO-US021141.	CC	or knockout animals which in turn are useful in the development and	
PR	01-DEC-1998:	98WO-US025108.	CC	screening of therapeutically useful reagents, for the genetic analysis of	
PR	05-JAN-1999:	99WO-US000106.	CC	individuals with genetic disorders, in gene therapy, for chromosome	
PR	08-MAR-1999:	99WO-US005028.	CC	identification, and as a chromosome marker. An anti-(I)-antibody is	
PR	02-JUN-1999:	99WO-US012252.	CC	useful in diagnostic assays for PRO, e.g. detecting its expression in	
PR	15-SEP-1999:	99WO-US021090.	CC	specific cells, tissues or serum, for affinity purification of PRO, and	
PR	15-SEP-1999:	99WO-US021547.	CC	for treating septic shock. This is the amino acid sequence of a novel	
PR	30-NOV-1999:	99WO-US028313.	XX	human secreted and transmembrane PRO polypeptide	
PR	01-DEC-1999:	99WO-US028301.	SQ	Sequence 105 AA;	
PR	16-DEC-1999:	99WO-US030095.		Query Match 100.0%; Score 86; DB 6; Length 105;	
PR	20-DEC-1999:	99WO-US030911.		Best Local Similarity 100.0%; Pred. No. 3.5e-86;	
PR	05-JAN-2000:	2000WO-US000219.		Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;	
PR	06-JAN-2000:	2000WO-US000376.	QY	1 AVITGACERDVCGAGTCCAIISLWRLGLMCTPLRGEGECHPGSHKVPFFRRKHHTCP 60	
PR	11-FEB-2000:	2000WO-US003565.	Db	20 AVITGACERDVCGAGTCCAIISLWRLGLMCTPLRGEGECHPGSHKVPFFRRKHHTCP 79	
PR	18-FEB-2000:	2000WO-US004341.	QY	61 CLPNLLCSRPDGRYRCSDMLKNINF 86	
PR	22-FEB-2000:	2000WO-US004414.	Db	80 CLPNLLCSRPDGRYRCSDMLKNINF 105	
PR	24-FEB-2000:	2000WO-US004914.		RESULT 62	
PR	02-MAR-2000:	2000WO-US005004.		ABU88620	
PR	10-MAR-2000:	2000WO-US005841.	ID	ABU88620 standard; protein; 105 AA.	
PR	15-MAR-2000:	2000WO-US006319.	XX		
PR	20-MAR-2000:	2000WO-US007377.	AC	ABU88620;	
PR	30-MAR-2000:	2000WO-US008439.	XX		
PR	15-MAY-2000:	2000WO-US013358.			
PR	17-MAY-2000:	2000WO-US013705.			
PR	22-MAY-2000:	2000WO-US014042.			
PR	30-MAY-2000:	2000WO-US014941.			

DT XX 11-AUG-2003 (first entry)
DE XX Human secreted and transmembrane polypeptide PRO1186.
KW XX Human; gene therapy; cancer; retinal disorder; wound healing;
KW XX kidney disorder.
OS XX Homo sapiens.
XX XX US2002197615-A1.
XX XX 26-DEC-2002.
XX XX 16-NOV-2001; 2001US-00991181.
XX XX 16-JUN-1997; 97US-0049787P.
XX XX 17-OCT-1997; 97US-0062250P.
XX XX 05-NOV-1997; 97WO-US02006P.
XX XX 12-NOV-1997; 97US-0065186P.
XX XX 13-NOV-1997; 97US-0065311P.
XX XX 24-NOV-1997; 97US-0066770P.
XX XX 25-FEB-1998; 98US-0075945P.
XX XX 20-MAR-1998; 98US-0078910P.
XX XX 28-APR-1998; 98US-0083322P.
XX XX 07-MAY-1998; 98US-0084600P.
XX XX 28-MAY-1998; 98US-0087106P.
XX XX 02-JUN-1998; 98US-0087607P.
XX XX 02-JUN-1998; 98US-0087609P.
XX XX 02-JUN-1998; 98US-0087759P.
XX XX 02-JUN-1998; 98US-0087827P.
XX XX 04-JUN-1998; 98US-0088021P.
XX XX 04-JUN-1998; 98US-0088025P.
XX XX 04-JUN-1998; 98US-0088026P.
XX XX 04-JUN-1998; 98US-0088028P.
XX XX 04-JUN-1998; 98US-0088029P.
XX XX 04-JUN-1998; 98US-0088030P.
XX XX 04-JUN-1998; 98US-0088033P.
XX XX 04-JUN-1998; 98US-0088326P.
XX XX 05-JUN-1998; 98US-0088167P.
XX XX 05-JUN-1998; 98US-0088202P.
XX XX 05-JUN-1998; 98US-0088212P.
XX XX 05-JUN-1998; 98US-0088217P.
XX XX 09-JUN-1998; 98US-0088655P.
XX XX 10-JUN-1998; 98US-0088734P.
XX XX 10-JUN-1998; 98US-0088738P.
XX XX 10-JUN-1998; 98US-0088742P.
XX XX 10-JUN-1998; 98US-0088810P.
XX XX 10-JUN-1998; 98US-0088824P.
XX XX 10-JUN-1998; 98US-0088826P.
XX XX 11-JUN-1998; 98US-0088858P.
XX XX 11-JUN-1998; 98US-0088861P.
XX XX 11-JUN-1998; 98US-0088876P.
XX XX 12-JUN-1998; 98US-0089103P.
XX XX 16-JUN-1998; 98US-0089440P.
XX XX 16-JUN-1998; 98US-0089512P.
XX XX 16-JUN-1998; 98US-0089514P.
XX XX 17-JUN-1998; 98US-0089532P.
XX XX 17-JUN-1998; 98US-0089538P.
XX XX 17-JUN-1998; 98US-0089598P.
XX XX 17-JUN-1998; 98US-0089599P.
XX XX 17-JUN-1998; 98US-0089600P.
XX XX 18-JUN-1998; 98US-0089653P.
XX XX 18-JUN-1998; 98US-0089801P.
XX XX 18-JUN-1998; 98US-0089907P.
XX XX 18-JUN-1998; 98US-0089908P.
XX XX 16-SEP-1998; 98WO-US019330.
XX XX 07-OCT-1998; 98WO-US019437.
XX XX 07-OCT-1998; 98WO-US021141.
XX XX 01-DEC-1998; 98WO-US025108.
XX XX 05-JAN-1999; 98WO-US000106.
XX XX 08-MAR-1999; 99WO-US005028.
XX XX 02-JUN-1999; 99WO-US012252.
XX XX 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX XX (GETH) GENENTECH INC.
XX XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
XX XX Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
XX XX Grimaldi JC, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;
XX XX Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
XX XX Zhang Z;
XX XX WPI; 2003-370792/35.
XX XX N-PSDB; ACA88452.
XX XX New secreted and transmembrane nucleic acids and polypeptides, designated
XX XX as PRO, useful for the preparation of a medicament for treating a
XX XX condition that is responsive to the PRO polypeptide. e.g., cancer.
XX XX Claim 12; Fig 266; 647pp; English.
XX XX The invention relates to an isolated nucleic acid encoding a PRO
XX XX polypeptide. The polypeptide, agonist, antagonist and antibody are useful
XX XX for the preparation of a medicament for treating a condition that is
XX XX responsive to the PRO polypeptide. The nucleotide sequence is useful in
XX XX molecular biology including being used as hybridisation probes, in
XX XX chromosome and gene mapping and in the generation of anti-sense RNA and
XX XX DNA. The PRO polypeptides can also be used in the treatment of e.g.
XX XX cancer, retinal disorders, wound healing and kidney disorders. The
XX XX present sequence represents the amino acid sequence of a human secreted
XX XX and transmembrane PRO polypeptide of the present invention. Note: The
XX XX sequence data for this patent did not form part of the printed
XX XX specification but was obtained in electronic format directly from USPTO
XX XX at seqdata.uspto.gov/sequence.html?docID=20020197615
XX XX Sequence 105 AA;
XX XX Query Match 100.0%; Score 86; DB 6; Length 105;
XX XX Best Local Similarity 100.0%; Pred. No. 3.5e-86;
XX XX Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	AVITGACERDVQCGAGTCCCAISLWLGRLMCTPLGREGECCHPGSHKVPFFRKRKHTCP	60
Db	20	AVITGACERDVQCGAGTCCCAISLWLGRLMCTPLGREGECCHPGSHKVPFFRKRKHTCP	79
QY	61	CLPNLLCSRFPPDGRVRCSDMLKKNIF	86
Db	80	CLPNLLCSRFPPDGRVRCSDMLKKNIF	105
RESULT 63			
ID	ABO34134		
AC	ABO34134	standard; protein; 105 AA.	
XX	AC	ABO34134;	
XX	DT	19-SEP-2003 (first entry)	
XX	DE	Human PRO1186 polypeptide.	
XX	DE	Human; PRO polypeptide; secreted protein; transmembrane protein;	
KW	KW	blosensor; bioreactor; tumour; cancer; diabetes; AIDS; ulcer;	
KW	KW	rheumatoid arthritis; amyotrophic lateral sclerosis; cytostatic;	
XX	XX	anti-diabetic; antiarthritic; antirheumatic; antiulcer.	
OS	OS	Homo sapiens.	
XX	XX	US2003017981-A1.	
XX	XX	23-JAN-2003.	
XX	XX	20-NOV-2001; 2001US-00989728.	
PR	16-JUN-1997;	97US-0049787P.	
PR	17-OCT-1997;	97US-0062250P.	
PR	05-NOV-1997;	97WO-US020069.	
PR	12-NOV-1997;	97US-0065186P.	
PR	13-NOV-1997;	97US-0065311P.	
PR	24-NOV-1997;	97US-0066770P.	
PR	25-FEB-1998;	98US-0075945P.	
PR	20-MAR-1998;	98US-0078910P.	
PR	28-APR-1998;	98US-0083322P.	
PR	07-MAY-1998;	98US-0084600P.	
PR	28-MAY-1998;	98US-0087106P.	
PR	02-JUN-1998;	98US-0087607P.	
PR	02-JUN-1998;	98US-0087609P.	
PR	02-JUN-1998;	98US-0087759P.	
PR	03-JUN-1998;	98US-0087827P.	
PR	04-JUN-1998;	98US-0088021P.	
PR	04-JUN-1998;	98US-0088025P.	
PR	04-JUN-1998;	98US-0088026P.	
PR	04-JUN-1998;	98US-0088028P.	
PR	04-JUN-1998;	98US-0088029P.	
PR	04-JUN-1998;	98US-0088030P.	
PR	04-JUN-1998;	98US-0088033P.	
PR	04-JUN-1998;	98US-0088326P.	
PR	05-JUN-1998;	98US-0088167P.	
PR	05-JUN-1998;	98US-0088202P.	
PR	05-JUN-1998;	98US-0088212P.	
PR	05-JUN-1998;	98US-0088217P.	
PR	09-JUN-1998;	98US-0088655P.	
PR	10-JUN-1998;	98US-0088734P.	
PR	10-JUN-1998;	98US-0088738P.	
PR	10-JUN-1998;	98US-0088742P.	
PR	10-JUN-1998;	98US-0088810P.	
PR	10-JUN-1998;	98US-0088824P.	
PR	11-JUN-1998;	98US-0088826P.	
PR	11-JUN-1998;	98US-0088858P.	
PR	11-JUN-1998;	98US-0088861P.	
PR	11-JUN-1998;	98US-0088867P.	
PR	12-JUN-1998;	98US-0089105P.	
PR	16-JUN-1998;	98US-0089440P.	
PR	16-JUN-1998;	98US-0089512P.	
PR	16-JUN-1998;	98US-0089514P.	
PR	17-JUN-1998;	98US-0089532P.	
PR	17-JUN-1998;	98US-0089538P.	
PR	17-JUN-1998;	98US-0089598P.	
PR	17-JUN-1998;	98US-0089599P.	
PR	17-JUN-1998;	98US-0089600P.	
PR	17-JUN-1998;	98US-0089651P.	
PR	18-JUN-1998;	98US-0089801P.	
PR	18-JUN-1998;	98US-0089907P.	
PR	18-JUN-1998;	98US-0089908P.	
PR	19-JUN-1998;	98US-0089947P.	
PR	19-JUN-1998;	98US-0089948P.	
PR	19-JUN-1998;	98US-0089952P.	
PR	22-JUN-1998;	98US-0090246P.	
PR	22-JUN-1998;	98US-0090252P.	
PR	22-JUN-1998;	98US-0090254P.	
PR	23-JUN-1998;	98US-0090349P.	
PR	23-JUN-1998;	98US-0090355P.	
PR	24-JUN-1998;	98US-0090429P.	
PR	24-JUN-1998;	98US-0090431P.	
PR	24-JUN-1998;	98US-0090435P.	
PR	24-JUN-1998;	98US-0090444P.	
PR	24-JUN-1998;	98US-0090445P.	
PR	24-JUN-1998;	98US-0090472P.	
PR	24-JUN-1998;	98US-0090535P.	
PR	24-JUN-1998;	98US-0090540P.	
PR	24-JUN-1998;	98US-0090542P.	
PR	24-JUN-1998;	98US-0090557P.	
PR	25-JUN-1998;	98US-0090676P.	
PR	25-JUN-1998;	98US-0090678P.	
PR	25-JUN-1998;	98US-0090690P.	
PR	25-JUN-1998;	98US-0090694P.	
PR	25-JUN-1998;	98US-0090695P.	
PR	25-JUN-1998;	98US-0090696P.	
PR	26-JUN-1998;	98US-0090862P.	
PR	26-JUN-1998;	98US-0090863P.	
PR	01-JUL-1998;	98US-0091360P.	
PR	01-JUL-1998;	98US-0091544P.	
PR	02-JUL-1998;	98US-0091478P.	
PR	02-JUL-1998;	98US-0091519P.	
PR	02-JUL-1998;	98US-0091626P.	
PR	02-JUL-1998;	98US-0091633P.	
PR	07-JUL-1998;	98US-0091982P.	
PR	09-JUL-1998;	98US-0092182P.	
PR	10-JUL-1998;	98US-0092472P.	
PR	20-JUL-1998;	98US-0093339P.	
PR	30-JUL-1998;	98US-0094651P.	
PR	04-AUG-1998;	98US-0095282P.	
PR	04-AUG-1998;	98US-0095285P.	
PR	04-AUG-1998;	98US-0095301P.	
PR	04-AUG-1998;	98US-0095302P.	
PR	04-AUG-1998;	98US-0095318P.	
PR	04-AUG-1998;	98US-0095321P.	
PR	10-AUG-1998;	98US-0095916P.	
PR	10-AUG-1998;	98US-0095929P.	
PR	10-AUG-1998;	98US-0096012P.	
PR	11-AUG-1998;	98US-0096143P.	
PR	11-AUG-1998;	98US-0096146P.	
PR	12-AUG-1998;	98US-0096329P.	
PR	17-AUG-1998;	98US-0096757P.	
PR	17-AUG-1998;	98US-0096766P.	
PR	17-AUG-1998;	98US-0096768P.	
PR	17-AUG-1998;	98US-0096773P.	
PR	17-AUG-1998;	98US-0096791P.	
PR	17-AUG-1998;	98US-0096867P.	
PR	17-AUG-1998;	98US-0096891P.	
PR	17-AUG-1998;	98US-0096894P.	
PR	17-AUG-1998;	98US-0096895P.	
PR	17-AUG-1998;	98US-0096897P.	
PR	18-AUG-1998;	98US-0096949P.	
PR	18-AUG-1998;	98US-0096950P.	
PR	18-AUG-1998;	98US-0096959P.	
PR	18-AUG-1998;	98US-0096960P.	


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PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US000356.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001US-00867092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX (GETH ) GENENTECH INC.
XX
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-584997/55.
DR N-PSDB; ADA45988.
XX
XX Novel secreted and transmembrane polypeptide for modulating biological
PT activity of cell expressing the polypeptide, identifying agonists or
PT antagonists of polypeptide, and as molecular weight markers.
XX
```

PS Claim 12; Fig 470; 659pp; English.

CC The invention describes 305 nucleic acids encoding PRO (secreted and transmembrane) polypeptides (I). (I) is useful for stimulating the release of TNF-alpha from human blood, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the proliferation of or gene expression in paricycle cells, for stimulating the release of proteoglycans from cartilage, for stimulating the proliferation of inner ear utricular supporting cells, for stimulating the proliferation of T-lymphocyte cells, for stimulating the release of a cytokine from PBMC cells, for inhibiting the binding of A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte cells, for stimulating proliferation of endothelial cells, for detecting the presence of tumour in a mammal. The tumour is lung, colon, breast, prostate, rectal, cervical or liver tumour. The oligonucleotide probes are useful for isolating genomic and cDNA nucleotide sequences or in assays to identify other proteins or molecules involved in binding interaction. A polynucleotide (II) encoding (I) is useful in chromosome and gene mapping, in generation of antisense RNA and DNA, in the preparation of PRO polypeptide, for generating transgenic animals or knockout animals which in turn are useful in the development and screening of therapeutically useful reagents, in gene therapy, for chromosome identification, as chromosome marker, and for generating probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g. detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. (I) and (II) are useful for tissue typing. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCATSLWLRGLRMCTPLRGEGECHPGSHKVPFRKRKHTCP 60
|||
Db 20 AVITGACERDVCGAGTCCATSLWLRGLRMCTPLRGEGECHPGSHKVPFRKRKHTCP 79
|||
QY 61 CLPNLLCSRFPDGRYRCSDMLKNINF 86
|||
Db 80 CLPNLLCSRFPDGRYRCSDMLKNINF 105
|||

RESULT 65
ADA76420
ID ADA76420 standard; protein; 105 AA.
XX
AC ADA76420;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003073212-A1.
XX
PD 17-APR-2003.

XX PF 16-APR-2002; 2002US-00123903.
XX PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017884.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028584.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015284.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX XX (GETH) GENENTECH INC.
XX PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerisken ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-687639/65.
XX N-PSDB; ADA76419.
XX PT New isolated nucleic acid encoding a secreted and transmembrane
PT polypeptide, designated e.g. PRO1114 or PR04978, useful in chromosome and
PT gene mapping, in generating antisense RNA and DNA, and in gene therapy.
XX Claim 12; Fig 470; 659pp; English.
XX The invention relates to isolated human PRO polypeptides (secreted and
XX transmembrane polypeptides) and the polynucleotides encoding them. The
XX invention also relates to an antibody which specifically binds to a PRO
XX polypeptide, a method for stimulating the release of tumour necrosis
XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the
XX proliferation or differentiation of chondrocyte cells and a method for
XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
XX polynucleotides are useful in molecular biology, including uses as
XX hybridisation probes, in chromosome and gene mapping, in generating
XX antisense RNA and DNA and in gene therapy. The polynucleotides may also
XX be used in preparing PRO polypeptides by recombinant techniques and in
XX generating either transgenic animals or knock-out animals which are
XX useful in the development and screening of therapeutically useful
XX reagents. The PRO polypeptides or antibodies are used in preparing a
XX medicament for treating a condition responsive to the polypeptides or
XX antibodies, such as tumours, for stimulating and inhibiting the proliferation
XX of human microvascular endothelial cells, for modulating the uptake of
XX glucose or FFA by skeletal muscle cells or adipocyte cells, for
XX stimulating differentiation of adipocyte cells, for stimulating
XX proliferation of or gene expression in pericyte cells, for stimulating
XX the proliferation of inner ear utricular supporting cells or T-lymphocyte
XX cells, for inducing endothelial cell tube formation and for treating
XX various bone and/or cartilage disorders such as sports injuries and
XX arthritis. PRO polypeptides which stimulate the release of proteoglycans
XX from cartilage are useful for treating sports-related joint problems, PRO
XX articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
XX polypeptides are also useful for treating various mammalian haemoglobin-

CC associated disorders such as various thalassemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.

XX SQ Sequence 105 AA;
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLRGEGECHPGSHKVPFFRKRKHTCP 60
DB 20 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLRGEGECHPGSHKVPFFRKRKHTCP 79
QY 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105

RESULT 66
ABJ72310
ID ABJ72310 standard; protein; 105 AA.
XX AC ABJ72310;
XX DT 06-NOV-2003 (first entry)
XX DE Human PRO1186 protein.

XX PRO; proliferation; pericyte cell; TNF-alpha; blood; chondrocyte;
KW differentiation; dermal fibroblast; tumour; gene therapy; cytostatic.
XX OS Homo sapiens.
XX PN US2003050448-A1.
XX PD 13-MAR-2003.

XX PF 28-AUG-2002; 2002US-00230414.
XX PR 01-JUN-2001; 2001WO-US017800.
XX PR 29-JUN-2001; 2001WO-US021066.
XX PR 09-APR-2002; 2002US-00119480.
XX PA (GETH) GENENTECH INC.
XX PI Baker KP, Desnoyers L, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Smith V, Stephan JF, Watanabe CK, Wood WI;
XX WPI; 2003-521818/49.
XX DR N-PSDB; ABT44308.
XX PR New nucleic acid encoding for a PRO protein, useful for the manufacture
PT of a medicament for diagnosing or treating tumors or for measuring or
PT detecting expression of an associated gene.

XX PS Claim 11; Fig 166; 315pp; English.
XX CC The invention relates to a novel isolated nucleic acid encoding a fully
CC defined PRO polypeptide. The molecules of the invention may be useful for
CC stimulating proliferation or gene expression in pericyte cells or the
CC release of TNF-alpha from human blood. Other possible uses include the
CC stimulation or inhibition of chondrocyte proliferation or
CC differentiation, the stimulation of human dermal fibroblast cell
CC proliferation and the detection of the presence of a tumour within a
CC mammal. Furthermore, the nucleic acid may be useful for the manufacture
CC of a medicament for diagnosing or treating a tumour within a mammal or
CC for measuring or detecting the expression of an associated gene, as well
CC as during gene therapy. The current sequence is that of the human PRO
CC protein of the invention

XX SQ Sequence 105 AA;
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLRGEGECHPGSHKVPFFRKRKHTCP 60
DB 20 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLRGEGECHPGSHKVPFFRKRKHTCP 79
QY 61 CLPNLLCSRFPDGRYRCSMDLKNINF 86
DB 80 CLPNLLCSRFPDGRYRCSMDLKNINF 105
RESULT 67
ADA19070
ID ADA19070 standard; protein; 105 AA.
XX AC ADA19070;
XX DT 20-NOV-2003 (first entry)
XX DE Human PRO polypeptide #235.
XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; blood; chondrocyte cell; lung;
KW colon; breast; prostate; rectum; cervix; liver; tumour; cancer;
KW glucose uptake; FFA; adipocyte cell; pericyte cell; proteoglycan;
KW cartilage; inner ear utricular supporting cell; cytokine; A-peptide;
KW factor VIIA; endothelial cell.
XX OS Homo sapiens.
XX PN US2003054517-A1.
XX PD 20-MAR-2003.
XX PF 08-MAY-2002; 2002US-00141755.
XX PR 31-MAR-1997; 97WO-US005230.
XX PR 12-JUN-1998; 98WO-US012456.
XX PR 14-JUL-1998; 98WO-US014552.
XX PR 28-AUG-1998; 98WO-US017888.
XX PR 10-SEP-1998; 98WO-US018824.
XX PR 14-SEP-1998; 98WO-US019093.
XX PR 14-SEP-1998; 98WO-US019094.
XX PR 14-SEP-1998; 98WO-US019177.
XX PR 16-SEP-1998; 98WO-US019310.
XX PR 17-SEP-1998; 98WO-US019437.
XX PR 07-OCT-1998; 98WO-US021141.
XX PR 29-OCT-1998; 98WO-US022991.
XX PR 20-NOV-1998; 98WO-US024855.
XX PR 01-DEC-1998; 98WO-US025108.
XX PR 05-JAN-1999; 99WO-US000106.
XX PR 08-MAR-1999; 99WO-US005028.
XX PR 10-MAR-1999; 99WO-US005190.
XX PR 20-APR-1999; 99WO-US008615.
XX PR 14-MAY-1999; 99WO-US010733.
XX PR 02-JUN-1999; 99WO-US012252.
XX PR 01-SEP-1999; 99WO-US020111.
XX PR 08-SEP-1999; 99WO-US020594.
XX PR 13-SEP-1999; 99WO-US020944.
XX PR 15-SEP-1999; 99WO-US021090.
XX PR 15-SEP-1999; 99WO-US021547.
XX PR 05-OCT-1999; 99WO-US023089.
XX PR 29-NOV-1999; 99WO-US028214.
XX PR 30-NOV-1999; 99WO-US028313.
XX PR 30-NOV-1999; 99WO-US028409.
XX PR 01-DEC-1999; 99WO-US028301.
XX PR 01-DEC-1999; 99WO-US028634.
XX PR 02-DEC-1999; 99WO-US028551.

OS	and.	PR	28-JUL-2000;	2000WO-US020710.
OS	transmembrane.	PR	11-AUG-2000;	2000WO-US022031.
OS	protein.	PR	23-AUG-2000;	2000WO-US023522.
OS	PRO1186.	PR	24-AUG-2000;	2000WO-US023328.
XX		PR	08-NOV-2000;	2000WO-US030952.
PN	US2003049816-A1.	PR	10-NOV-2000;	2000WO-US030873.
XX		PR	01-DEC-2000;	2000WO-US032678.
XX		PR	20-DEC-2000;	2000WO-US0747259.
PD		PR	20-DEC-2000;	2000WO-US034956.
XX	13-MAR-2003.	PR	28-FEB-2001;	2001US-00796498.
PF		PR	28-FEB-2001;	2001WO-US006520.
XX	15-APR-2002; 2002US-00123262.	PR	01-MAR-2001;	2001WO-US006666.
PR		PR	09-MAR-2001;	2001US-00802706.
PR	31-MAR-1997;	PR	14-MAR-2001;	2001US-00808689.
PR	98WO-US005230.	PR	22-MAR-2001;	2001US-00816744.
PR	98WO-US012456.	PR	05-APR-2001;	2001US-00828366.
PR	98WO-US044552.	PR	10-MAY-2001;	2001US-00854208.
PR	28-AUG-1998;	PR	18-MAY-2001;	2001US-00860216.
PR	98WO-US017888.	PR	25-MAY-2001;	2001US-00866028.
PR	98WO-US018824.	PR	25-MAY-2001;	2001US-00866034.
PR	14-SEP-1998;	PR	01-JUN-2001;	2001WO-US017092.
PR	98WO-US019094.	PR	01-JUN-2001;	2001US-00872035.
PR	98WO-US019177.	PR	05-JUN-2001;	2001WO-US017800.
PR	98WO-US019330.	PR	14-JUN-2001;	2001US-00874503.
PR	98WO-US019437.	PR	19-JUN-2001;	2001US-00882636.
PR	07-OCT-1998;	PR	20-JUN-2001;	2001US-00886342.
PR	98WO-US021141.	PR	21-JUN-2001;	2001WO-US019692.
PR	98WO-US022991.	PR	22-JUN-2001;	2001US-00887879.
PR	29-OCT-1998;	PR	29-JUN-2001;	2001WO-US020116.
PR	98WO-US022992.	PR	09-JUL-2001;	2001WO-US021066.
PR	20-NOV-1998;	PR	18-JUL-2001;	2001WO-US021735.
PR	98WO-US024855.	PR	06-AUG-2001;	2001US-00908827.
PR	98WO-US025108.	PR	09-AUG-2001;	2001US-00927796.
PR	98WO-US000106.	PR	16-AUG-2001;	2001US-00931836.
PR	05-JAN-1999;	PR	19-DEC-2001;	2001US-00028072.
PR	08-MAR-1999;	XX		
PR	98WO-US005190.	PA	(GETH) GENENTECH INC.	
PR	10-MAR-1999;	XX		
PR	98WO-US008615.	PI	Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;	
PR	14-MAY-1999;	PI	Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;	
PR	98WO-US010733.	PI	Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;	
PR	98WO-US012252.	XX		
PR	98WO-US020111.	DR	WPI; 2003-695892/66.	
PR	01-SEP-1999;	DR	N-PSDB; ADA61692.	
PR	08-SEP-1999;	XX		
PR	98WO-US020594.	PT	New PRO nucleic acid and encode polypeptides, are useful for	
PR	98WO-US020944.	PT	manufacturing a medicament for diagnosing or treating cancer.	
PR	15-SEP-1999;	XX		
PR	98WO-US021090.	PS	Claim 12; Fig 470; 660pp; English.	
PR	98WO-US021547.	XX		
PR	98WO-US023089.	CC	The invention describes 305 nucleic acids encoding PRO (secreted and	
PR	29-NOV-1999;	CC	transmembrane) polypeptides (I). (I) is useful for stimulating the	
PR	98WO-US028214.	CC	release of TNF-alpha from human blood, for modulating the uptake of	
PR	98WO-US028313.	CC	glucose or FFA by skeletal muscle cells or adipocyte cells, for	
PR	30-NOV-1999;	CC	stimulating the proliferation or differentiation of chondrocyte cells,	
PR	98WO-US028409.	CC	for stimulating the proliferation of or gene expression in pericyte	
PR	98WO-US028301.	CC	cells, for stimulating the release of proteoglycans from cartilage, for	
PR	01-DEC-1999;	CC	stimulating the proliferation of inner ear utricular supporting cells,	
PR	98WO-US028634.	CC	for stimulating the proliferation of T-lymphocyte cells, for stimulating	
PR	98WO-US028551.	CC	the release of a cytokine from PBMC cells, for inhibiting the binding of	
PR	98WO-US028564.	CC	A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte	
PR	98WO-US028565.	CC	cells, for stimulating proliferation of endothelial cells, for detecting	
PR	98WO-US030095.	CC	the presence of tumour in a mammal. The tumour is lung, colon, breast,	
PR	98WO-US030911.	CC	prostate, rectal, cervical or liver tumour. The oligonucleotide probes	
PR	98WO-US030999.	CC	are useful for isolating genomic and cDNA nucleotide sequences or	
PR	98WO-US030999.	CC	antisense probes. (I) is also useful as therapeutic agent. PRO is useful	
PR	98WO-US030720.	CC	in assays to identify other proteins or molecules involved in binding	
PR	98WO-US031243.	CC	interaction. A polynucleotide (ii) encoding (I) is useful in chromosome	
PR	98WO-US031274.	CC	and gene mapping, in generation of antisense RNA and DNA, in the	
PR	2000WO-US000219.	CC	preparation of PRO polypeptide, for generating transgenic animals or	
PR	2000WO-US000277.	CC	knockout animals which in turn are useful in the development and	
PR	2000WO-US000376.			
PR	2000WO-US003565.			
PR	2000WO-US004341.			
PR	2000WO-US004342.			
PR	2000WO-US004414.			
PR	2000WO-US004914.			
PR	2000WO-US005004.			
PR	2000WO-US005601.			
PR	2000WO-US005746.			
PR	2000WO-US005841.			
PR	2000WO-US006319.			
PR	2000WO-US006884.			
PR	2000WO-US007377.			
PR	2000WO-US007532.			
PR	2000WO-US008439.			
PR	2000WO-US013705.			
PR	2000WO-US014042.			
PR	2000WO-US014941.			
PR	2000WO-US015264.			

CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVQAGCTCCCAISLWLRGRLMCTPLGREGECHPGSHKVPFFRRKHHTCP 60
DB 20 AVITGACRDVQAGCTCCCAISLWLRGRLMCTPLGREGECHPGSHKVPFFRRKHHTCP 79
61 CLPNLLCSRFPPDGRYRCSMDLNINF 86
DB 80 CLPNLLCSRFPPDGRYRCSMDLNINF 105

RESULT 69
ADB19478
ID ADB19478 standard; protein; 105 AA.
XX
AC ADB19478;
XX
DT 20-NOV-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; PFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW cell differentiation inhibitor; cytokine release.
OS Homo sapiens.
XX
XX US2003068796-A1.
XX
PD 10-APR-2003.
XX
PF 15-APR-2002; 2002US-00123261.
XX
PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.

PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 22-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 18-MAY-2001; 2001US-00854280.
PR 10-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.

```
PR 19-DEC-2001; 2001US-00028072.
XX (GETH ) GENENTECH INC.
XX Baker KP, Beresini M, Deforge L, Deenoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-695927/66.
XX N-PSDB; ADB19477.
XX
XX Novel secreted and transmembrane PRO polypeptides useful for stimulating
PT the release of tumor necrosis factor alpha and detecting the presence of
PT a tumor in a mammal.
XX
XX Claim 12; Fig 470; 660pp; English.
XX
XX The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyt
XX Sequence 105 AA;
SQ
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRKRKHHTCP 60
DB |||||||
20 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRKRKHHTCP 79
QY 61 CLPNLLCSRPDPGRYRCSDMLKNINF 86
DB |||||||
80 CLPNLLCSRPDPGRYRCSDMLKNINF 105
RESULT 70
ADB28019
ID ADB28019 standard; protein; 105 AA.
XX
AC ADB28019;
XX
XX 20-NOV-2003 (first entry)
XX
XX Human PRO polypeptide #235.
XX
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
XX Homo sapiens.
XX
XX US2003082704-A1.
XX
XX 01-MAY-2003.
XX
XX 24-APR-2002; 2002US-00131819.
XX
XX 09-DEC-1999; 99US-0170262P.
XX 01-DEC-2000; 2000WO-US032678.
XX 19-DEC-2001; 2001US-00028072.
XX
XX (GETH ) GENENTECH INC.
XX Baker KP, Beresini M, Deforge L, Deenoyers L, Filvaroff E, Gao W;
PI
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PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-765415/72.
XX N-PSDB; ADB28018.
XX
XX New PRO nucleic acid, useful for preparing a composition for treating
PT e.g., tumor or for tissue typing.
XX
XX Claim 12; Fig 470; 637pp; English.
XX
XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC the USPTO website at seqdata.uspto.gov.
XX
XX Sequence 105 AA;
SQ
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRKRKHHTCP 60
DB |||||||
20 AVITGACERDVCGAGTCCCAISLWRLGLRMCTPLGREGECHPGSHKVPFFRKRKHHTCP 79
QY 61 CLPNLLCSRPDPGRYRCSDMLKNINF 86
DB |||||||
80 CLPNLLCSRPDPGRYRCSDMLKNINF 105
RESULT 71
ADA86498
ID ADA86498 standard; protein; 105 AA.
XX
XX ADA86498;
XX
XX 20-NOV-2003 (first entry)
XX
XX Novel human secreted and transmembrane protein PRO1186.
XX
XX Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW glucose uptake modulator; FFA uptake modulator;
```


KW cell proliferation stimulator; cell differentiation stimulator;
 KW cell differentiation inhibitor; cytokine release stimulator; tumour;
 KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
 KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
 KW gene therapy; chromosome identification; chromosome marker.

XX Homo sapiens.

XX US2003082711-A1.

XX 01-MAY-2003.

XX 16-MAY-2002; 2002US-00147508.

XX 02-JUL-1998; 98US-0091519P.

XX 02-JUN-1999; 99WO-US012252.

XX 07-JUL-1999; 99US-0143048P.

XX 25-AUG-1999; 99US-00380137.

XX 30-MAR-2000; 2000WO-US008439.

XX 01-DEC-2000; 2000WO-US032678.

XX 19-DEC-2001; 2001US-00028072.

XX (GETH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-786914/74.

XX N-PSDB; ADA86497.

XX New PRO nucleic acid, useful for preparing a composition for treating

XX e.g., tumor or for tissue typing.

XX Claim 12; Fig 470; 637pp; English.

XX The invention describes 305 nucleic acids encoding PRO (secreted and
 CC transmembrane) polypeptides (I). (I) is useful for stimulating the
 CC release of TNF-alpha from human blood, for modulating the uptake of
 CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating the proliferation or differentiation of chondrocyte cells,
 CC for stimulating the proliferation of or gene expression in pericyte
 CC cells, for stimulating the release of proteoglycans from cartilage, for
 CC stimulating the proliferation of inner ear utricular supporting cells,
 CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
 CC the release of a cytokine from PMBC cells, for inhibiting the binding of
 CC A-peptide to factor VIIa, for inhibiting the differentiation of adipocyte
 CC cells, for stimulating proliferation of endothelial cells, for detecting
 CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
 CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
 CC are useful for isolating genomic and cDNA nucleotide sequences or
 CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
 CC in assays to identify other proteins or molecules involved in binding
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
 CC and gene mapping, in generation of antisense RNA and DNA, in the
 CC preparation of PRO polypeptide, for generating transgenic animals or
 CC knockout animals which in turn are useful in the development and
 CC screening of therapeutically useful reagents, in gene therapy, for
 CC chromosome identification, as chromosome marker, and for generating
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
 CC detecting its expression in specific cells, tissues or serum, and for
 CC affinity purification of PRO from recombinant cell culture or natural
 CC sources. (I) and (II) are useful for tissue typing. This is the amino
 CC acid sequence of a novel human secreted and transmembrane PRO
 CC polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.5e-86;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVQCAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60

Db 20 AVITGACRDVQCAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79
 QY 61 CLPNLLCSRFDPGGRYRCSMDLKNINF 86
 Db 80 CLPNLLCSRFDPGGRYRCSMDLKNINF 105

RESULT 72

ADBL6062

ID ADBL6062 standard; protein; 105 AA.

XX ADBL6062;

XX 20-NOV-2003 (first entry)

XX Human PRO polypeptide #235.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;

KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

KW liver; microvascular endothelial cell; glucose; FFA;

KW skeletal muscle cell; adipocyte cell; pericyte cell;

KW inner ear utricular supporting cell; T-lymphocyte cell;

KW endothelial cell tube formation; bone disorder; cartilage disorder;

KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;

KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;

KW immune system cell infiltration.

XX Homo sapiens.

XX US2003087350-A1.

XX 08-MAY-2003.

XX 22-APR-2002; 2002US-00127821.

XX 04-AUG-1998; 98US-0095301P.

XX 02-JUN-1999; 99WO-US012252.

XX 25-AUG-1999; 99US-00380137.

XX 30-MAR-2000; 2000WO-US008439.

XX 01-DEC-2000; 2000WO-US032678.

XX 19-DEC-2001; 2001US-00028072.

XX (GETH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-786941/74.

XX N-PSDB; ADBL6061.

XX New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,
 PT and for manufacturing a medicament for diagnosing or treating tumor.

XX Claim 12; Fig 470; 637pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and
 CC transmembrane polypeptides) and the polynucleotides encoding them. The
 CC invention also relates to an antibody which specifically binds to a PRO
 CC polypeptide, a method for stimulating the release of tumour necrosis
 CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells and a method for
 CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
 CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
 CC polynucleotides are useful in molecular biology, including uses as
 CC hybridisation probes, in chromosome and gene mapping, in generating
 CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
 CC be used in preparing PRO polypeptides by recombinant techniques and in
 CC generating either transgenic animals or knockout animals which are
 CC useful in the development and screening of therapeutically useful
 CC reagents. The PRO polypeptides or antibodies are used in preparing a

CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.

SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLGRLMCTPLGREGECHPGSHKVPFPRKRKHTCP 60

DB 20 AVITGACERDVQCGAGTCCCAISLWLGRLMCTPLGREGECHPGSHKVPFPRKRKHTCP 79

QY 61 CLPNLLCSRFPPGRYRCSMDLKNINF 86

DB 80 CLPNLLCSRFPPGRYRCSMDLKNINF 105

RESULT 73

ID ADA37882

XX ADA37882 standard; protein; 105 AA.

AC ADA37882;

XX 20-NOV-2003 (first entry)

XX Human secreted/transmembrane protein PRO1186.

XX PRO; secreted protein; transmembrane protein;

KW hypertrophy of neonatal heart; angiogenesis;

KW vascular endothelial growth factor; VEGF-stimulated proliferation;

KW endothelial cell; T-lymphocyte proliferation; retinal neuron;

KW c-fos induction; adipocyte cell; chondrocyte differentiation;

KW pancreatic beta-cell precursor differentiation; gene therapy; tumour;

KW cancer; human; colon cancer; lung cancer; breast cancer;

KW rod photoreceptor cell.

XX Homo sapiens.

XX OS

XX US2003008297-A1.

XX 09-JAN-2003.

XX 15-NOV-2001; 2001US-00997653.

XX 16-JUN-1997; 97US-0049787P.

PR 17-OCT-1997; 97US-0062250P.

PR 05-NOV-1997; 97WO-US020069.

PR 12-NOV-1997; 97US-0065186P.

PR 13-NOV-1997; 97US-0065311P.

PR 24-NOV-1997; 97US-0066770P.

PR 25-FEB-1998; 98US-0075945P.

PR 20-MAR-1998; 98US-0078910P.

PR 28-APR-1998; 98US-0083322P.

PR 07-MAY-1998; 98US-0084600P.

PR 28-MAY-1998; 98US-0087106P.

PR 02-JUN-1998; 98US-0087607P.

PR 02-JUN-1998; 98US-0087609P.
PR 03-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088653P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
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PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
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PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 01-DEC-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
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PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
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PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 20-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
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PR 24-AUG-2000; 2000WO-US023328.

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PR 01-JUN-2001; 2001WO-US017800.
PR 20-JUN-2001; 2001WO-US019692.
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PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001US-00941992.
XX (GETH) GENENTECH INC.
XX
XX Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL,
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ,
PI Grimaldi JC, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NF,
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI,
PI Zhang Z;
XX
XX WPI; 2003-531419/50.
DR N-PSDB; ADA37881.
XX
XX New isolated PRO183, PRO184, PRO361 or PRO846 nucleic acid and secreted
PT transmembrane polypeptides, useful as targets for the diagnosis and
PT treatment of cancers, such as lung and breast cancers.
XX
XX Claim 12; Fig 266; 660pp; English.
XX
XX The invention relates to an isolated nucleic acid molecule comprising the
CC full-length coding sequence of the DNA ATCC Accession Numbers given in
CC the specification, or comprising a sequence with at least 80% identity
CC to: (a) a nucleotide encoding any of 147 PRO polypeptides, or an
CC extracellular domain of the polypeptide; or (b) any of 147 nucleotide
CC sequences fully defined in the specification. Also included are the PRO
CC proteins (or their extracellular domains with or without their associated
CC extracellular domains), expression vectors, host cells, PRO chimeric
CC proteins, anti-PRO antibodies, methods of detecting polypeptide in a
CC sample, methods of linking a bioactive molecule to a cell expressing a
CC polypeptide and methods of modulating at least one biological activity of
CC a cell expressing the polypeptide. The PRO polypeptides or
CC polynucleotides are useful as pharmaceuticals, diagnostics, biosensors or
CC bioreactors. These are useful for stimulating hypertrophy of neonatal
CC heart, promoting angiogenesis, inhibiting vascular endothelial growth
CC factor (VEGF)-stimulated proliferation of endothelial cells, modulating
CC the proliferation of stimulated T-lymphocytes, enhancing the survival or
CC proliferation of retinal neurons or rod photoreceptor cells, inducing c-
CC fos in endothelial cells, modulating glucose or FFA uptake by adipocyte
CC cells, inducing proliferation and/or re-differentiation of chondrocytes,
CC or inducing pancreatic beta-cell precursor differentiation. In
CC particular, these are useful for detecting or treating tumours and
CC certain cancers (colon, lung or breast cancers) in mammals, e.g. humans,
CC dogs, cats, cattle, horses, sheep, pigs, goats, or rabbits. The PRO genes
CC may also be used in gene therapy, particularly for replacing a defective
CC gene. The present sequence represents a PRO protein.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWGLRMCTPLRGEGECHPGSHKVPFFRKXHTCP 60
DQ |||||
DQ 20 AVITGACERDVQCGAGTCCCAISLWGLRMCTPLRGEGECHPGSHKVPFFRKXHTCP 79
QY 61 CLPNLLCSFFPDGRYRCSDMLKNIN 86
DQ |||||
DQ 80 CLPNLLCSFFPDGRYRCSDMLKNIN 105

RESULT 74
ADA47848
ID ADA47848 standard; protein; 105 AA.
XX
AC ADA47848;

XX 20-NOV-2003 (first entry)
DT Human PRO polypeptide #235.
DE
DE
XX
XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
XX Homo sapiens.
OS
XX US2003073215-A1.
PN
XX
XX 17-APR-2003.
PD
XX
XX 07-MAY-2002; 2002US-00140925.
PF
XX
XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
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PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
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PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
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PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004342.
PR 24-FEB-2000; 2000WO-US004914.

PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
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PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034958.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
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PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
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PR 09-AUG-2001; 2001US-00927796.
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PR 19-DEC-2001; 2001US-00028072.
XX
XX (GETH) GENENTECH INC.
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart RA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-644801/61.
DR N-PSDB; ADA47847.
XX
XX New secreted and transmembrane PRO polypeptides and nucleic acids, useful
PT in gene therapy, detecting the presence of tumor in a mammal, or
PT modulating the uptake of glucose or free fatty acid by skeletal muscle
PT cells or adipocyte cells.
XX
XX Claim 12; Fig 470; 659pp; English.
XX
XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumor necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for

CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems, PRO
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX

SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86; Indels 0; Gaps 0;
Matches 86; Conservative 0; Mismatches 0;

QY 1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 60
Db |||||
QY 20 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 79
Db |||||
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db |||||
QY 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105
Db |||||

RESULT 75
ADA21568
ID ADA21568 standard; protein; 105 AA.
XX
AC ADA21568;
XX 20-NOV-2003 (first entry)
XX
DE Human secreted/transmembrane polypeptide PRO1186.
XX
KW human; tumour; cancer; colorectal cancer; Gene therapy;
KW chondrocyte differentiation; VEGF inhibition;
KW vascular endothelial growth factor; Alzheimer's disease;
KW Parkinson's disease; atherosclerosis; cystic fibrosis;
KW multiple sclerosis; ovarian cancer; tissue typing.
XX
OS Homo sapiens.
XX
XX US2003054404-A1.
PN
XX 20-MAR-2003.
PD
XX
XX 15-NOV-2001; 2001US-00997601.
PF
XX
XX 16-JUN-1997; 97US-0049787P.
PR
XX 17-OCT-1997; 97US-0062250P.
PR
XX 05-NOV-1997; 97WO-US020069.
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XX 12-NOV-1997; 97US-0065186P.
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XX 13-NOV-1997; 97US-0065311P.
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XX 24-NOV-1997; 97US-0066770P.
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PR 04-JUN-1998; 98US-0088021P.
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PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
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PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
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PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
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PR 18-JUN-1998; 98US-0089907P.
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PR 24-JUN-1998; 98US-0090540P.
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PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
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PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
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PR 02-JUL-1998; 98US-0091646P.
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PR 07-JUL-1998; 98US-0091982P.
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PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
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PR 11-AUG-1998; 98US-0096146P.
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PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
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PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.
PR 26-AUG-1998; 98US-0097954P.
PR 26-AUG-1998; 98US-0097955P.
PR 26-AUG-1998; 98US-0097971P.
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PR 16-SEP-1998; 98US-0100634P.
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PR 08-MAR-1999; 98US-010005028.
PR 12-MAR-1999; 98US-0123957P.
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PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
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PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
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PR 14-MAY-1999; 99WO-US010733.
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PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
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PR 15-SEP-1999; 99WO-US021547.
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PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US000356.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX (GETH) GENENTECH INC.
PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-695926/66.
DR N-PSDB; ADA67642.
XX Novel isolated PRO secreted and transmembrane polypeptides useful for
PT stimulating the release of tumor necrosis factor-alpha from human blood
PT and detecting the presence of a tumor in a mammal.
XX Claim 12; Fig 470; 660pp; English.
XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumor necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX Sequence 105 AA;
SQ

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;

DR WPI: 2003-708391/67.
DR N-PSDB; AD830649.
XX
PT New isolated PRO polypeptides e.g. PRO1801 and PRO1114, useful in the
PT preparation of a medicament for treating a condition responsive to PRO
PT polypeptide, and as therapeutic agents e.g. vaccines.
XX
PS Claim 12; Fig 470; 660pp; English.
XX
CC The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human macrovascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC the USPTO website at seqdata.uspto.gov.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLRLGLRMCTPLGREGECHPGSHKVPFFRKXKHTCP 60
DB 20 AVITGACERDVQCGAGTCCCAISLWLRLGLRMCTPLGREGECHPGSHKVPFFRKXKHTCP 79

QY 61 CLPNLLCSRFPPDGRYRCSMDLNKINF 86
DB 80 CLPNLLCSRFPPDGRYRCSMDLNKINF 105

RESULT 79
ADA85946
ID ADA85946 standard; protein; 105 AA.
XX
AC ADA85946;
XX
DT 20-NOV-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
XX
KW Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW Glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW cell differentiation inhibitor; cytokine release stimulator; tumour;

KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.
XX Homo sapiens.
XX OS
XX US2003082693-A1.
XX PD
XX 01-MAY-2003.
XX PF
XX 22-APR-2002; 2002US-00127843.
XX PR
XX 05-JUN-2000; 2000US-0209832P.
XX PR 01-DEC-2000; 2000WO-US022678.
XX PR 19-DEC-2001; 2001US-00028072.
XX (GETH) GENENTECH INC.
XX PA
XX Baker KP, Beresini M, DeForge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-786907/74.
XX DR N-PSDB; ADA85945.
XX
XX New PRO nucleic acid, useful for preparing a composition for treating
PT e.g., tumor or for tissue typing.
PT
XX Claim 12; Fig 470; 637pp; English.
XX
CC The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in pericyte
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide.
XX
SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVQCGAGTCCCAISLWLRLGLRMCTPLGREGECHPGSHKVPFFRKXKHTCP 60
DB 20 AVITGACERDVQCGAGTCCCAISLWLRLGLRMCTPLGREGECHPGSHKVPFFRKXKHTCP 79

QY 61 CLPNLLCSRFPPDGRYRCSMDLNKINF 86
DB 80 CLPNLLCSRFPPDGRYRCSMDLNKINF 105

RESULT 80
ADA17899
ID ADA17899 standard; protein; 105 AA.
XX
AC ADA17899;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO1186 polypeptide.
XX
KW Human; PRO polypeptide; secreted protein; transmembrane protein;
transgenic; tumour; cytostatic.
XX
OS Homo sapiens.
PN US2003054987-A1.
XX
PD 20-MAR-2003.
XX
PF 14-NOV-2001; 2001US-00990443.
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083322P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
PR 02-JUN-1998; 98US-0087759P.
PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
PR 04-JUN-1998; 98US-0088026P.
PR 04-JUN-1998; 98US-0088028P.
PR 04-JUN-1998; 98US-0088029P.
PR 04-JUN-1998; 98US-0088030P.
PR 04-JUN-1998; 98US-0088033P.
PR 04-JUN-1998; 98US-0088326P.
PR 05-JUN-1998; 98US-0088167P.
PR 05-JUN-1998; 98US-0088202P.
PR 05-JUN-1998; 98US-0088212P.
PR 05-JUN-1998; 98US-0088217P.
PR 09-JUN-1998; 98US-0088655P.
PR 10-JUN-1998; 98US-0088734P.
PR 10-JUN-1998; 98US-0088738P.
PR 10-JUN-1998; 98US-0088742P.
PR 10-JUN-1998; 98US-0088810P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088858P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089440P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089532P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089599P.
PR 17-JUN-1998; 98US-0089600P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089947P.
PR 19-JUN-1998; 98US-0089948P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 23-JUN-1998; 98US-0090349P.
PR 23-JUN-1998; 98US-0090355P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090431P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090445P.
PR 24-JUN-1998; 98US-0090472P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 24-JUN-1998; 98US-0090542P.
PR 24-JUN-1998; 98US-0090557P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 01-JUL-1998; 98US-0091360P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091519P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091633P.
PR 02-JUL-1998; 98US-0091646P.
PR 02-JUL-1998; 98US-0091673P.
PR 07-JUL-1998; 98US-0091978P.
PR 07-JUL-1998; 98US-0091982P.
PR 09-JUL-1998; 98US-0092182P.
PR 10-JUL-1998; 98US-0092472P.
PR 20-JUL-1998; 98US-0093339P.
PR 30-JUL-1998; 98US-0094651P.
PR 04-AUG-1998; 98US-0095282P.
PR 04-AUG-1998; 98US-0095285P.
PR 04-AUG-1998; 98US-0095301P.
PR 04-AUG-1998; 98US-0095302P.
PR 04-AUG-1998; 98US-0095318P.
PR 04-AUG-1998; 98US-0095321P.
PR 04-AUG-1998; 98US-0095325P.
PR 10-AUG-1998; 98US-0095916P.
PR 10-AUG-1998; 98US-0095929P.
PR 10-AUG-1998; 98US-0096012P.
PR 11-AUG-1998; 98US-0096143P.
PR 11-AUG-1998; 98US-0096146P.
PR 12-AUG-1998; 98US-0096329P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096768P.
PR 17-AUG-1998; 98US-0096773P.
PR 17-AUG-1998; 98US-0096791P.
PR 17-AUG-1998; 98US-0096867P.
PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096894P.
PR 17-AUG-1998; 98US-0096895P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096950P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0096960P.
PR 18-AUG-1998; 98US-0097022P.
PR 19-AUG-1998; 98US-0097141P.
PR 20-AUG-1998; 98US-0097218P.
PR 24-AUG-1998; 98US-0097661P.
PR 26-AUG-1998; 98US-0097952P.

PR	26-AUG-1998;	98US-0097954P.	ADA97158	Human; PRO; secreted polypeptide; transmembrane polypeptide;
PR	26-AUG-1998;	98US-0097955P.	ID	ADA97158 standard; protein; 105 AA.
PR	26-AUG-1998;	98US-0097971P.	XX	
PR	26-AUG-1998;	98US-0097974P.	AC	ADA97158;
PR	26-AUG-1998;	98US-0097978P.	XX	
PR	26-AUG-1998;	98US-0097979P.	DT	20-NOV-2003 (first entry)
PR	26-AUG-1998;	98US-0097986P.	XX	
PR	26-AUG-1998;	98US-0098014P.	DE	Human PRO polypeptide #235.
PR	31-AUG-1998;	98US-0098525P.	XX	
PR	16-SEP-1998;	98US-0100634P.	KW	Human; PRO; secreted polypeptide; transmembrane polypeptide;
PR	16-SEP-1998;	98US-0100634P.	KW	tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
PR	17-SEP-1998;	98US-0100858P.	KW	cancer; adrenal; lung; colon; breast; prostate; kidney; cervix;
PR	17-SEP-1998;	98US-0100858P.	KW	liver; microvascular endothelial cell; glucose; FFA;
PR	07-OCT-1998;	98US-01021141.	KW	skeletal muscle cell; adipocyte cell; pericyte cell;
PR	01-DEC-1998;	98US-01025108.	KW	inner ear utricular supporting cell; T-lymphocyte cell;
PR	22-DEC-1998;	98US-0113296P.	KW	endothelial cell tube formation; bone disorder; cartilage disorder;
PR	05-JAN-1999;	99US-01000106.	KW	sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
PR	08-MAR-1999;	99US-01005028.	KW	rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
PR	12-MAR-1999;	99US-0123957P.	XX	immune system cell infiltration.
PR	02-JUN-1999;	99US-012252.	XX	
PR	23-JUN-1999;	99US-0141037P.	OS	Homo sapiens.
PR	07-JUL-1999;	99US-0143048P.	XX	
PR	20-JUL-1999;	99US-0144758P.	PN	US2003082705-A1.
PR	26-JUL-1999;	99US-0145698P.	XX	
PR	28-JUL-1999;	99US-0146222P.	PD	01-MAY-2003.
PR	17-AUG-1999;	99US-0149396P.	XX	
PR	15-SEP-1999;	99US-015021090.	PF	24-APR-2002; 2002US-00131829.
PR	15-SEP-1999;	99US-015021090.	XX	
PR	08-OCT-1999;	99US-0158663P.	PR	09-DEC-1999; 99US-0170262P.
PR	30-NOV-1999;	99US-0208313.	PR	01-DEC-2000; 2000WO-US032678.
PR	01-DEC-1999;	99US-0208301.	PR	19-DEC-2001; 2001US-00028072.
PR	01-DEC-1999;	99US-0208634.	XX	
PR	16-DEC-1999;	99US-02030095.	PA	(GETH) GENENTECH INC.
PR	20-DEC-1999;	99US-02030911.	XX	
PR	05-JAN-2000;	2000WO-US000219.	PI	Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PR	06-JAN-2000;	2000WO-US000376.	PI	Gerritsen ME, Goddard A, Godowski PU, Gurney AL, Sherwood S;
PR	11-FEB-2000;	2000WO-US0003565.	PI	Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
PR	18-FEB-2000;	2000WO-US004341.	XX	
PR	22-FEB-2000;	2000WO-US004414.	DR	WPI; 2003-755112/71.
PR	24-FEB-2000;	2000WO-US004914.	DR	N-PSDB; ADA97157.
PR	24-FEB-2000;	2000WO-US005004.	XX	
PR	02-MAR-2000;	2000WO-US005841.	PT	New PRO nucleic acid, useful for preparing a composition for treating
PR	10-MAR-2000;	2000WO-US006319.	PT	e.g., tumor or for tissue typing.
PR	15-MAR-2000;	2000WO-US006884.	XX	
PR	30-MAR-2000;	2000WO-US007377.	PS	Claim 12; Fig 470; 637pp; English.
PR	15-MAY-2000;	2000WO-US008439.	XX	
PR	17-MAY-2000;	2000WO-US013358.	CC	The invention relates to isolated human PRO polypeptides (secreted and
PR	22-MAY-2000;	2000WO-US014042.	CC	transmembrane polypeptides) and the polynucleotides encoding them. The
PR	30-MAY-2000;	2000WO-US014941.	CC	invention also relates to an antibody which specifically binds to a PRO
PR	02-JUN-2000;	2000WO-US015264.	CC	polypeptide, a method for stimulating the release of tumour necrosis
PR	23-JUN-2000;	2000US-0213637P.	CC	factor-alpha (TNF-alpha) from human blood, a method for stimulating the
PR	28-JUL-2000;	2000WO-US020710.	CC	proliferation or differentiation of chondrocyte cells and a method for
PR	11-AUG-2000;	2000WO-US022031.	CC	detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
PR	23-AUG-2000;	2000WO-US023522.	CC	colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
PR	24-AUG-2000;	2000WO-US023522.	CC	polynucleotides are useful in molecular biology, including uses as
PR	07-SEP-2000;	2000US-0230978P.	CC	hybridisation probes, in chromosome and gene mapping, in generating
PR	08-NOV-2000;	2000WO-US030952.	CC	antisense RNA and DNA and in gene therapy. The polynucleotides may also
QY	1	AVITGACERDVQCGAGTCCCAISLWLRMCTPLRGEGECHPGSHKVPFFRKRHHTCP	CC	be used in preparing PRO polypeptides by recombinant techniques and in
Db	20	AVITGACERDVQCGAGTCCCAISLWLRMCTPLRGEGECHPGSHKVPFFRKRHHTCP	CC	generating either transgenic animals or knock-out animals which are
QY	61	CLPNLLCSRPFDGRCYCSMDLKNINF	CC	useful in the development and screening of therapeutically useful
Db	80	CLPNLLCSRPFDGRCYCSMDLKNINF	CC	reagents. The PRO polypeptides or antibodies are used in preparing a
RESULT	81		CC	medicament for treating a condition responsive to the polypeptides or

CC polypeptides are also useful for treating various mammalian haemoglobin-associated disorders such as various thalassemias and conditions which may benefit from enhanced local immune system cell infiltration. This CC sequence represents a human PRO polypeptide of the invention. Note: The CC sequence data for this patent is also available in electronic format from CC USPTO at seqdata.uspto.gov/sequence.html.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 60

DB 20 AVITGACRDVQCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRKRKHTCP 79

QY 61 CLPNLLCSRPDGRYRCSMDLNINF 86

DB 80 CLPNLLCSRPDGRYRCSMDLNINF 105

RESULT 82

ADA79462
ID ADA79462 standard; protein; 105 AA.

XX AC ADA79462;

XX DT 20-NOV-2003 (first entry)

XX DE Human PRO polypeptide #235.

XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;
KW immune system cell infiltration.

XX OS Homo sapiens.

XX PN US2003082763-A1.

XX PD 01-MAY-2003.

XX PF 17-APR-2002; 2002US-00124818.

XX PR 31-MAR-1997; 97WO-US005230.

XX PR 12-JUN-1998; 98WO-US012456.

XX PR 14-JUL-1998; 98WO-US014552.

XX PR 28-AUG-1998; 98WO-US017888.

XX PR 10-SEP-1998; 98WO-US018824.

XX PR 14-SEP-1998; 98WO-US019093.

XX PR 14-SEP-1998; 98WO-US019094.

XX PR 14-SEP-1998; 98WO-US019177.

XX PR 16-SEP-1998; 98WO-US019330.

XX PR 17-SEP-1998; 98WO-US019437.

XX PR 07-OCT-1998; 98WO-US021141.

XX PR 29-OCT-1998; 98WO-US022991.

XX PR 29-OCT-1998; 98WO-US022992.

XX PR 20-NOV-1998; 98WO-US024855.

XX PR 01-DEC-1998; 98WO-US025108.

XX PR 08-JAN-1999; 99WO-US000106.

XX PR 08-MAR-1999; 99WO-US005028.

XX PR 10-MAR-1999; 99WO-US005190.

XX PR 20-APR-1999; 99WO-US008615.

XX PR 14-MAY-1999; 99WO-US010733.

XX PR 02-JUN-1999; 99WO-US012252.

XX PR 01-SEP-1999; 99WO-US020111.

PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 16-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 10-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US079649.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001WO-US0082706.
PR 14-MAR-2001; 2001WO-US008689.
PR 22-MAR-2001; 2001WO-US016744.
PR 05-APR-2001; 2001WO-US028366.
PR 10-MAY-2001; 2001WO-US0854208.
PR 10-MAY-2001; 2001WO-US0854280.
PR 18-MAY-2001; 2001WO-US0860216.
PR 25-MAY-2001; 2001WO-US0866028.
PR 25-MAY-2001; 2001WO-US0866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001WO-US0872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001WO-US0874503.
PR 14-JUN-2001; 2001WO-US0882636.
PR 19-JUN-2001; 2001WO-US0886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001WO-US088789.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001WO-US008827.

PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX (GETH) GENENTECH INC. PA
XX Baker KP, Beresini M, Deforge L, Deenoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PU, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2003-755116/71.
DR N-PSDB; ADA79461.
XX New secreted and transmembrane PRO polypeptides and nucleic acids, useful
PT in detection and treatment of cancer and in modulating the uptake of
PT glucose or free fatty acid by skeletal muscle cells or adipocyte cells.
XX Claim 12; Fig 470; 659pp; English.
XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX Sequence 105 AA;
SQ
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLRGREGECHECHPGSHKVPFFRKXKHTCP 60
Db 20 AVITGACERDVQCGAGTCCCAISLWRLGRLMCTPLRGREGECHECHPGSHKVPFFRKXKHTCP 79
QY 61 CLPNLLCSRFPPDGRYCRSMDLKNINF 86
Db 80 CLPNLLCSRFPPDGRYCRSMDLKNINF 105
RESULT 83
ADA87601
ID ADA87601 standard; protein; 105 AA.
XX

AC ADA87601;
XX 20-NOV-2003 (first entry)
XX Novel human secreted and transmembrane protein PRO1186.
XX Human; secreted and transmembrane protein; PRO;
KW Tumour necrosis factor alpha release; TNF-alpha release;
KW Glucose uptake modulator; FFA uptake modulator;
KW cell proliferation stimulator; cell differentiation stimulator;
KW cell differentiation inhibitor; cytokine release stimulator; tumour;
KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.
XX Homo sapiens.
XX US2003087345-A1.
XX 08-MAY-2003.
XX 16-APR-2002; 2002US-00123907.
XX 31-MAR-1997; 97WO-US005230.
XX 12-JUN-1998; 98WO-US012456.
XX 14-JUL-1998; 98WO-US014552.
XX 28-AUG-1998; 98WO-US017888.
XX 10-SEP-1998; 98WO-US018824.
XX 14-SEP-1998; 98WO-US019093.
XX 14-SEP-1998; 98WO-US019094.
XX 14-SEP-1998; 98WO-US019177.
XX 16-SEP-1998; 98WO-US019330.
XX 17-SEP-1998; 98WO-US019437.
XX 07-OCT-1998; 98WO-US021141.
XX 29-OCT-1998; 98WO-US022991.
XX 29-OCT-1998; 98WO-US022992.
XX 20-NOV-1998; 98WO-US024855.
XX 01-DEC-1998; 98WO-US025108.
XX 05-JAN-1999; 99WO-US000106.
XX 08-MAR-1999; 99WO-US005190.
XX 10-MAR-1999; 2000WO-US006319.
XX 20-APR-1999; 99WO-US008615.
XX 14-MAY-1999; 99WO-US010733.
XX 02-JUN-1999; 99WO-US012252.
XX 01-SEP-1999; 99WO-US020111.
XX 08-SEP-1999; 99WO-US020594.
XX 13-SEP-1999; 99WO-US020944.
XX 15-SEP-1999; 99WO-US021090.
XX 15-SEP-1999; 99WO-US021547.
XX 05-OCT-1999; 99WO-US023089.
XX 29-NOV-1999; 99WO-US028214.
XX 30-NOV-1999; 99WO-US028313.
XX 30-NOV-1999; 99WO-US028409.
XX 01-DEC-1999; 99WO-US028301.
XX 01-DEC-1999; 99WO-US028634.
XX 02-DEC-1999; 99WO-US028551.
XX 02-DEC-1999; 99WO-US028564.
XX 02-DEC-1999; 99WO-US028565.
XX 16-DEC-1999; 99WO-US030095.
XX 20-DEC-1999; 99WO-US030911.
XX 20-DEC-1999; 99WO-US030999.
XX 22-DEC-1999; 99WO-US030720.
XX 30-DEC-1999; 99WO-US031243.
XX 30-DEC-1999; 99WO-US031274.
XX 05-JAN-2000; 2000WO-US000219.
XX 06-JAN-2000; 2000WO-US000277.
XX 06-JAN-2000; 2000WO-US000376.
XX 11-FEB-2000; 2000WO-US003565.
XX 18-FEB-2000; 2000WO-US004341.
XX 18-FEB-2000; 2000WO-US004342.
XX 22-FEB-2000; 2000WO-US004414.
XX 24-FEB-2000; 2000WO-US004914.

PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005746.
 PR 12-MAR-2000; 2000WO-US005841.
 PR 15-MAR-2000; 2000WO-US005884.
 PR 20-MAR-2000; 2000WO-US007377.
 PR 21-MAR-2000; 2000WO-US007532.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015264.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 11-AUG-2000; 2000WO-US022031.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-0084208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 18-MAY-2001; 2001US-00860216.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 01-JUN-2001; 2001US-00872035.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 14-JUN-2001; 2001US-00882636.
 PR 19-JUN-2001; 2001US-00886342.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 21-JUN-2001; 2001US-00887879.
 PR 22-JUN-2001; 2001WO-US020116.
 PR 29-JUL-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 06-AUG-2001; 2001US-00924419.
 PR 09-AUG-2001; 2001US-00927796.
 PR 16-AUG-2001; 2001US-00931836.
 PR 19-DEC-2001; 2001US-00028072.
 XX (GETH) GENENTECH INC.
 XX
 PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
 PI Gerritsen ME, Goddard A, Godowski PU, Gurney AL, Sherwood S;
 PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WJ, Zhang Z;
 DR WPI; 2003-786937/74.
 DR N-PSDB; ADA87600.
 XX
 PT New PRO nucleic acid, useful for manufacturing a medicament for
 PT diagnosing or treating tumor.
 XX
 PS Claim 12; Fig 470; 638pp; English.
 XX
 CC The invention describes 305 nucleic acids encoding PRO (secreted and
 CC transmembrane) polypeptides (I). (I) is useful for stimulating the
 CC release of TNF-alpha from human blood, for modulating the uptake of
 CC glucose or TFA by skeletal muscle cells or adipocyte cells, for
 CC stimulating the proliferation or differentiation of chondrocyte cells,
 CC for stimulating the proliferation or gene expression in pericyte
 CC cells, for stimulating the release of proteoglycans from cartilage, for
 CC stimulating the proliferation of inner ear utricular supporting cells,
 CC for stimulating the proliferation of T-lymphocyte cells, for stimulating

CC the release of a cytokine from PBMC cells, for inhibiting the binding of
 CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
 CC cells, for stimulating proliferation of endothelial cells, for detecting
 CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
 CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
 CC are useful for isolating genomic and cDNA nucleotide sequences or
 CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
 CC in assays to identify other proteins or molecules involved in binding
 CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
 CC and gene mapping, in generation of antisense RNA and DNA, in the
 CC preparation of PRO polypeptide, for generating transgenic animals or
 CC knockout animals which in turn are useful in the development and
 CC screening of therapeutically useful reagents, in gene therapy, for
 CC chromosome identification, as chromosome marker, and for generating
 CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
 CC detecting its expression in specific cells, tissues or serum, and for
 CC affinity purification of PRO from recombinant cell culture or natural
 CC sources. (I) and (II) are useful for tissue typing. This is the amino
 CC acid sequence of a novel human secreted and transmembrane PRO
 CC polypeptide.
 XX
 SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
 Best Local Similarity 100.0%; Pred. No. 3.5e-86;
 Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 AVITGACERDVQCGAGTCCALSLWRLGLRMCTPLGREGECHPGSHKVPFRKRKHHTCP 60
 DB 20 AVITGACERDVQCGAGTCCALSLWRLGLRMCTPLGREGECHPGSHKVPFRKRKHHTCP 79
 QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
 DB 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 84

ADBI6803
 ID ADBI6803 standard; protein; 105 AA.
 XX
 AC ADBI6803;
 XX
 DT 20-NOV-2003 (first entry)
 XX
 DE Human PRO polypeptide #235.
 XX
 KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
 KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
 KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
 KW liver; microvascular endothelial cell; glucose; FFA;
 KW skeletal muscle cell; adipocyte cell; pericyte cell;
 KW inner ear utricular supporting cell; T-lymphocyte cell;
 KW endothelial cell tube formation; bone disorder; cartilage disorder;
 KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
 KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
 KW immune system cell infiltration.
 XX
 OS Homo sapiens.
 XX
 FN US2003087349-A1.
 XX
 PD 08-MAY-2003.
 XX
 PF 19-APR-2002; 2002US-00125928.
 XX
 PR 19-JUN-1998; 98US-0089947P.
 PR 02-JUN-1999; 99WO-US012252.
 PR 25-AUG-1999; 99US-00380137.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 19-DEC-2001; 2001US-00028072.
 XX
 PA (GETH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PU, Gurley AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX WPI: 2003-786940/74.
DR N-PSDB; ADB16802.
XX New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,
PT and for manufacturing a medicament for diagnosing or treating tumor.
XX Claim 12; Fig 470; 637pp; English.
XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX SQ Sequence 105 AA;
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACERDVQCGAGTCCAIISLWGLRMCCTPLRGREGCHPGSHKVPFRRKHHHTCP 60
DB 20 AVITGACERDVQCGAGTCCAIISLWGLRMCCTPLRGREGCHPGSHKVPFRRKHHHTCP 79
QY 61 CLPNLLCSRFPPDGRYRCSDMLKNINF 86
DB 80 CLPNLLCSRFPPDGRYRCSDMLKNINF 105
RESULT 85
IDA28007
ID ADA28007 standard; protein; 105 AA.
AC ADA28007;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human secreted/transmembrane protein PRO1186.
XX
XX PRO; secreted protein; transmembrane protein;

KW hypertrophy of neonatal heart; angiogenesis;
KW vascular endothelial growth factor; VEGF-stimulated proliferation;
KW endothelial cell; T-lymphocyte proliferation; retinal neuron;
KW rod photoreceptor cell; c-fos induction; adipocyte cell;
KW chondrocyte differentiation;
KW pancreatic beta-cell precursor differentiation;
KW cardiac inefficiency disorder; wound; cancerous tumour;
KW retinal disorders; loss of sight; retinitis pigmentosa; kidney disorder;
KW obesity; diabetes; hyperinsulinaemia; hypoinsulinaemia; bone disorder;
KW cartilage disorder; sports injury; arthritis; cancer; human.
XX Homo sapiens.
XX OS
XX US2003054359-A1.
XX 20-MAR-2003.
XX 14-NOV-2001; 2001US-00990726.
XX 16-JUN-1997; 97US-0049787P.
XX 17-OCT-1997; 97US-0062250P.
XX 05-NOV-1997; 97WO-US020069.
XX 12-NOV-1997; 97US-0065186P.
XX 13-NOV-1997; 97US-0065311P.
XX 24-NOV-1997; 97US-0066770P.
XX 25-FEB-1998; 98US-0075945P.
XX 20-MAR-1998; 98US-0078910P.
XX 28-APR-1998; 98US-0083322P.
XX 07-MAY-1998; 98US-0084600P.
XX 28-MAY-1998; 98US-0087106P.
XX 02-JUN-1998; 98US-0087607P.
XX 02-JUN-1998; 98US-0087609P.
XX 02-JUN-1998; 98US-0087759P.
XX 03-JUN-1998; 98US-0087827P.
XX 04-JUN-1998; 98US-0088021P.
XX 04-JUN-1998; 98US-0088025P.
XX 04-JUN-1998; 98US-0088026P.
XX 04-JUN-1998; 98US-0088028P.
XX 04-JUN-1998; 98US-0088029P.
XX 04-JUN-1998; 98US-0088030P.
XX 04-JUN-1998; 98US-0088033P.
XX 04-JUN-1998; 98US-0088326P.
XX 05-JUN-1998; 98US-0088167P.
XX 05-JUN-1998; 98US-0088202P.
XX 05-JUN-1998; 98US-0088212P.
XX 05-JUN-1998; 98US-0088217P.
XX 09-JUN-1998; 98US-0088655P.
XX 10-JUN-1998; 98US-0088734P.
XX 10-JUN-1998; 98US-0088738P.
XX 10-JUN-1998; 98US-0088742P.
XX 10-JUN-1998; 98US-0088810P.
XX 10-JUN-1998; 98US-0088824P.
XX 10-JUN-1998; 98US-0088826P.
XX 11-JUN-1998; 98US-0088858P.
XX 11-JUN-1998; 98US-0088861P.
XX 11-JUN-1998; 98US-0088876P.
XX 12-JUN-1998; 98US-0089105P.
XX 16-JUN-1998; 98US-0089440P.
XX 16-JUN-1998; 98US-0089512P.
XX 16-JUN-1998; 98US-0089514P.
XX 17-JUN-1998; 98US-0089532P.
XX 17-JUN-1998; 98US-0089538P.
XX 17-JUN-1998; 98US-0089598P.
XX 17-JUN-1998; 98US-0089599P.
XX 17-JUN-1998; 98US-0089600P.
XX 18-JUN-1998; 98US-0089653P.
XX 18-JUN-1998; 98US-0089801P.
XX 18-JUN-1998; 98US-0089907P.
XX 18-JUN-1998; 98US-0089908P.
XX 19-JUN-1998; 98US-0089947P.
XX 19-JUN-1998; 98US-0089948P.
XX 19-JUN-1998; 98US-0089952P.
XX 22-JUN-1998; 98US-0090246P.

KW cell differentiation inhibitor; cytokine release stimulator; tumour;
KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
KW gene therapy; chromosome identification; chromosome marker.

OS Homo sapiens.

XX US2003082694-A1.

XX 01-MAY-2003.

XX 22-APR-2002; 2002US-00127845.

XX 03-MAR-2000; 2000US-0187202P.

PR 19-DEC-2000; 2000WO-US032678.

PR 19-DEC-2001; 2001US-00028072.

XX (GETH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;

PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-786908/74.

DR N-PSDB; ADA91894.

XX New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,
PT or a composition for treating e.g., tumor or for tissue typing.

XX Claim 12; Fig 470; 637pp; English.

XX The invention describes 305 nucleic acids encoding PRO (secreted and
CC transmembrane) polypeptides (I). (I) is useful for stimulating the
CC release of TNF-alpha from human blood, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating the proliferation or differentiation of chondrocyte cells,
CC for stimulating the proliferation of or gene expression in parietal
CC cells, for stimulating the release of proteoglycans from cartilage, for
CC stimulating the proliferation of inner ear utricular supporting cells,
CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
CC the release of a cytokine from PBMC cells, for inhibiting the binding of
CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
CC cells, for stimulating proliferation of endothelial cells, for detecting
CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
CC are useful for isolating genomic and cDNA nucleotide sequences or
CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
CC in assays to identify other proteins or molecules involved in binding
CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
CC and gene mapping, in generation of antisense RNA and DNA, in the
CC preparation of PRO polypeptide, for generating transgenic animals or
CC knockout animals which in turn are useful in the development and
CC screening of therapeutically useful reagents, in gene therapy, for
CC chromosome identification, as chromosome marker, and for generating
CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
CC detecting its expression in specific cells, tissues or serum, and for
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. (I) and (II) are useful for tissue typing. This is the amino
CC acid sequence of a novel human secreted and transmembrane PRO
CC polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. NO. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCAISLWLRGLRMCTPLGREGECHPGSKHVPFFKRKHHTCP 60

DB 20 AVITGACERDVCGAGTCAISLWLRGLRMCTPLGREGECHPGSKHVPFFKRKHHTCP 79

QY 61 CLPNLCSRFDPGRYRCSMDLKNINF 86

Db 80 CLPNLCSRFDPGRYRCSMDLKNINF 105

RESULT 87

ADB14958

XX ID ADB14958 standard; protein; 105 AA.

XX ADB14958;

XX 20-NOV-2003 (first entry)

XX Human PRO polypeptide #235.

XX Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.

XX Homo sapiens.

XX US2003087351-A1.

XX 08-MAY-2003.

XX 22-APR-2002; 2002US-00127822.

XX 17-JUN-1998; 98US-0089532P.

PR 02-JUN-1999; 99WO-US012252.

PR 25-AUG-1999; 99US-00380137.

PR 30-NOV-1999; 99WO-US028313.

PR 01-DEC-2000; 2000WO-US032678.

PR 19-DEC-2001; 2001US-00028072.

XX (GETH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;

PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-786942/74.

DR N-PSDB; ADB14957.

XX New PRO nucleic acid, useful for manufacturing a medicament for
PT diagnosing or treating tumor.

XX Claim 12; Fig 470; 637pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating

CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX

SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFPKRKHHTCP 60

Db 20 AVITGACERDVQCGAGTCCATSLWRLGLRMCTPLGREGECHPGSHKVPFFPKRKHHTCP 79

Oy 61 CLPNLLCSRFDPGRYRCMDLNINF 86

Db 80 CLPNLLCSRFDPGRYRCMDLNINF 105

RESULT 88

ADBI8919

ID ADBI8919 standard; protein; 105 AA.

AC ADBI8919;

XX 20-NOV-2003 (first entry)

DE Novel human secreted and transmembrane protein PRO1186.

KW Human; secreted and transmembrane protein; PRO;

KW Tumour necrosis factor alpha release; TNF-alpha release;

KW Glucose uptake modulator; FFA uptake modulator;

KW cell proliferation stimulator; cell differentiation stimulator;

KW cell differentiation inhibitor; cytokine release.

OS Homo sapiens.

XX US2003073211-A1.

FN 17-APR-2003.

PD 15-APR-2002; 2002US-00123292.

PF 31-MAR-1997; 97WO-US005230.

PR 12-JUN-1998; 98WO-US012456.

PR 14-JUL-1998; 98WO-US014552.

PR 28-AUG-1998; 98WO-US017888.

PR 10-SEP-1998; 98WO-US018824.

PR 14-SEP-1998; 98WO-US019093.

PR 14-SEP-1998; 98WO-US019094.

PR 16-SEP-1998; 98WO-US019177.

PR 17-SEP-1998; 98WO-US019437.

PR 07-OCT-1998; 98WO-US021141.

PR 29-OCT-1998; 98WO-US022991.

PR 20-NOV-1998; 98WO-US022992.

PR 01-DEC-1998; 98WO-US024855.

PR 05-JAN-1999; 98WO-US000106.

PR 08-MAR-1999; 98WO-US005028.

PR 10-MAR-1999; 98WO-US005190.

PR 20-APR-1999; 98WO-US008615.

PR 14-MAY-1999; 98WO-US010733.

PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 28-FEB-2001; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 18-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 01-JUN-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 05-JUN-2001; 2001WO-US017800.
PR 14-JUN-2001; 2001US-00874503.
PR 19-JUN-2001; 2001US-00882636.
PR 20-JUN-2001; 2001US-00886342.
PR 21-JUN-2001; 2001WO-US019692.
PR 22-JUN-2001; 2001US-00887879.
PR 29-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.

DE Novel human secreted and transmembrane protein PRO1186.

XX Human; secreted and transmembrane protein; PRO;

XX Tumour necrosis factor alpha release; TNF-alpha release;

KW glucose uptake modulator; FFA uptake modulator;

KW cell proliferation stimulator; cell differentiation stimulator;

KW cell differentiation inhibitor; cytokine release stimulator; tumour;

KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;

KW cervical tumour; liver tumour; chromosome mapping; gene mapping;

KW gene therapy; chromosome identification; chromosome marker.

XX OS Homo sapiens.

XX US2003082691-A1.

XX PD 01-MAY-2003.

XX PF 22-APR-2002; 2002US-00127839.

XX PR 17-NOV-1998; 98US-0108802P.

PR 01-SEP-1999; 99WO-US020111.

PR 18-OCT-1999; 99US-00403297.

PR 18-FEB-2000; 2000WO-US004342.

PR 02-JUN-2000; 2000WO-US015264.

PR 23-AUG-2000; 2000WO-US023522.

PR 01-DEC-2000; 2000WO-US032678.

PR 19-DEC-2001; 2001US-00028072.

XX PA (GETH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;

PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-755108/71.

DR N-PSDB; ADB20029.

XX PRO nucleic acid, useful for preparing a composition for treating e.g.,

PT tumor or for tissue typing.

XX Claim 12; Fig 470; 637pp; English.

XX The invention describes 305 nucleic acids encoding PRO (secreted and transmembrane) polypeptides (I). (I) is useful for stimulating the release of TNF-alpha from human blood, for modulating the uptake of glucose or FFA by skeletal muscle cells or adipocyte cells, for stimulating the proliferation or differentiation of chondrocyte cells, for stimulating the proliferation of or gene expression in pericyte cells, for stimulating the release of proteoglycans from cartilage, for stimulating the proliferation of inner ear utricular supporting cells, for stimulating the proliferation of T-lymphocyte cells, for stimulating the release of a cytokine from PMC cells, for inhibiting the binding of A-peptide to factor VIIa, for inhibiting the differentiation of adipocyte cells, for stimulating proliferation of endothelial cells, for detecting the presence of tumour in a mammal. The tumour is lung, colon, breast, prostate, rectal, cervical or liver tumour. The oligonucleotide probes are useful for isolating genomic and cDNA nucleotide sequences or antisense probes. (I) is also useful as therapeutic agent. PRO is useful in assays to identify other proteins or molecules involved in binding interaction. A polynucleotide (II) encoding (I) is useful in chromosome and gene mapping, in generation of antisense RNA and DNA, in the preparation of PRO polypeptide, for generating transgenic animals or knock-out animals which in turn are useful in the development and screening of therapeutically useful reagents, in gene therapy, for chromosome identification, as chromosome marker, and for generating probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g. detecting its expression in specific cells, tissues or serum, and for affinity purification of PRO from recombinant cell culture or natural sources. (I) and (II) are useful for tissue typing. This is the amino acid sequence of a novel human secreted and transmembrane PRO polypeptide.

XX Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.5e-86;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVQCGAGTCCCAISLWRLGRLMCTPLGRGEGECPGSHKVPFFFRKRKHTCP 60

DB 20 AVITGACRDVQCGAGTCCCAISLWRLGRLMCTPLGRGEGECPGSHKVPFFFRKRKHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSMDLKNINF 86

DB 80 CLPNLLCSRFDPGRYRCSMDLKNINF 105

RESULT 91

ADBI3342

ID ADBI3342 standard; protein; 105 AA.

XX AC ADBI3342;

XX DT 20-NOV-2003 (first entry)

XX DE Human PRO polypeptide #235.

XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;

KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

KW liver; microvascular endothelial cell; glucose; FFA;

KW skeletal muscle cell; adipocyte cell; pericyte cell;

KW inner ear utricular supporting cell; T-lymphocyte cell;

KW endothelial cell tube formation; bone disorder; cartilage disorder;

KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;

KW rheumatoid arthritis; haemoglobin-associated disorder thalassemia;

KW immune system cell infiltration.

XX OS Homo sapiens.

XX PN US2003082710-A1.

XX PD 01-MAY-2003.

XX PF 16-MAY-2002; 2002US-00147484.

XX PR 09-DEC-1999; 99US-0170262P.

PR 01-DEC-2000; 2000WO-US032678.

PR 19-DEC-2001; 2001US-00028072.

XX PA (GETH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;

PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2003-786913/74.

DR N-PSDB; ADBI3341.

XX New PRO nucleic acid, useful for preparing a recombinant PRO polypeptide,

PT preparing a composition for treating e.g., tumor, or for tissue typing.

XX Claim 12; Fig 470; 637pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and transmembrane polypeptides) and the polynucleotides encoding them. The invention also relates to an antibody which specifically binds to a PRO polypeptide, a method for stimulating the release of tumour necrosis factor-alpha (TNF-alpha) from human blood, a method for stimulating the proliferation or differentiation of chondrocyte cells and a method for detecting the presence of a tumour in a mammal (e.g. adrenal, lung, colon, breast, prostate, rectal, kidney, cervical and liver tumours). The polynucleotides are useful in molecular biology, including uses as hybridisation probes, in chromosome and gene mapping, in generating antisense RNA and DNA and in gene therapy. The polynucleotides may also be used in preparing PRO polypeptides by recombinant techniques and in

CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating
CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPIO at seqdata.uspto.gov/sequence.html.
XX
SQ

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCAISLWGLRMCTPLGREGECHPGSHKVPFFRKRHHTCP 60
DB 20 AVITGACERDVCGAGTCAISLWGLRMCTPLGREGECHPGSHKVPFFRKRHHTCP 79
QY 61 CLPNLCSRFPPDGRYRCSDMLKNINF 86
DB 80 CLPNLCSRFPPDGRYRCSDMLKNINF 105

RESULT 92
ABO43383
ID ABO43383 standard; protein; 105 AA.
AC ABO43383;
XX
DT 26-SEP-2003 (first entry)
XX
DE Novel human secreted and transmembrane protein PRO1186.
KW Human; secreted and transmembrane protein; PRO; gene therapy;
KW chromosome identification; tissue typing.
XX
OS Homo sapiens.
XX
XX US2003044945-A1.
XX
PD 06-MAR-2003.
XX
PF 10-MAY-2002; 2002US-00142419.
XX
XX 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019094.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.

PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 10-MAR-1999; 99WO-US005190.
PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 11-FEB-2000; 2000WO-US000376.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001US-00796498.
PR 28-FEB-2001; 2001WO-US006520.
PR 01-MAR-2001; 2001WO-US006666.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.

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PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
XX (GETH ) GENENTECH INC.
PA
XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX
XX WPI; 2003-492275/46.
DR N-PSDB; ACD98658.
DR
XX
XX New transmembrane polypeptides and nucleic acids encoding the
PT polypeptides, useful in gene therapy, in chromosome identification, as
PT chromosome markers, or in generating probes.
XX
XX Claim 12; Fig 470; 660pp; English.
PS
XX
XX The invention describes an isolated nucleic acid encoding a PRO (secreted
CC and transmembrane) polypeptide. Nucleic acids which encode PRO can be
CC used to generate either transgenic animals or knock-out animals used in
CC developing and screening of therapeutically useful reagents. The nucleic
CC acids may also be used in gene therapy, in chromosome identification, as
CC chromosome markers, or in generating probes. The PRO polypeptides are
CC useful as molecular markers for protein electrophoresis, and the isolated
CC nucleic acids may be used for recombinantly expressing those markers. The
CC PRO polypeptides and nucleic acids may also be used in tissue typing.
CC Anti-PRO antibodies are useful in diagnostic assays for PRO, and in
CC affinity purification of PRO from recombinant cell culture or natural
CC sources. This is the amino acid sequence of a novel human secreted and
CC transmembrane PRO polypeptide
XX
XX Sequence 105 AA;
SQ
Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 AVITGACRDVCGAGTCCATSLWLRGLRMCTPLRGEGECHPGSHKVPFFRKRRKHTCP 60
DB 20 AVITGACRDVCGAGTCCATSLWLRGLRMCTPLRGEGECHPGSHKVPFFRKRRKHTCP 79
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
DB 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105
RESULT 93
ADA94587
ID ADA94587 standard; protein; 105 AA.
XX
AC ADA94587;
XX
XX 20-NOV-2003 (first entry)
DT
XX
DE Human secreted/transmembrane protein PRO1186.
XX
KW PRO; secreted protein; transmembrane protein;
KW hypertrophy of neonatal heart; angiogenesis;
KW vascular endothelial growth factor; VEGF-stimulated proliferation;
KW endothelial cell; T-lymphocyte proliferation; retinal neuron;
KW c-fos induction; adipocyte cell; chondrocyte differentiation;
KW pancreatic beta-cell precursor differentiation; gene therapy; tumour;
KW cancer; human; colon cancer; lung cancer; breast cancer;

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KW rod photoreceptor cell.
XX
OS Homo sapiens.
XX
PN US2003059832-A1.
XX
PD 27-MAR-2003.
XX
XX 15-NOV-2001; 2001US-00997349.
XX
XX 16-JUN-1997; 97US-0049787P.
XX 17-OCT-1997; 97US-0062250P.
XX 05-NOV-1997; 97WO-US020069.
XX 13-NOV-1997; 97US-0065186P.
XX 12-NOV-1997; 97US-0065311P.
XX 24-NOV-1997; 97US-0066770P.
XX 25-FEB-1998; 98US-0075945P.
XX 20-MAR-1998; 98US-0078910P.
XX 28-APR-1998; 98US-0083322P.
XX 07-MAY-1998; 98US-0084600P.
XX 28-MAY-1998; 98US-0087106P.
XX 02-JUN-1998; 98US-0087607P.
XX 02-JUN-1998; 98US-0087609P.
XX 02-JUN-1998; 98US-0087759P.
XX 03-JUN-1998; 98US-0087827P.
XX 04-JUN-1998; 98US-0088021P.
XX 04-JUN-1998; 98US-0088025P.
XX 04-JUN-1998; 98US-0088026P.
XX 04-JUN-1998; 98US-0088028P.
XX 04-JUN-1998; 98US-0088029P.
XX 04-JUN-1998; 98US-0088030P.
XX 04-JUN-1998; 98US-0088033P.
XX 04-JUN-1998; 98US-0088326P.
XX 05-JUN-1998; 98US-0088167P.
XX 05-JUN-1998; 98US-0088202P.
XX 05-JUN-1998; 98US-0088212P.
XX 05-JUN-1998; 98US-0088217P.
XX 09-JUN-1998; 98US-0088655P.
XX 10-JUN-1998; 98US-0088734P.
XX 10-JUN-1998; 98US-0088738P.
XX 10-JUN-1998; 98US-0088742P.
XX 10-JUN-1998; 98US-0088810P.
XX 10-JUN-1998; 98US-0088824P.
XX 10-JUN-1998; 98US-0088826P.
XX 11-JUN-1998; 98US-0088858P.
XX 11-JUN-1998; 98US-0088861P.
XX 11-JUN-1998; 98US-0088876P.
XX 12-JUN-1998; 98US-0089105P.
XX 16-JUN-1998; 98US-0089440P.
XX 16-JUN-1998; 98US-0089512P.
XX 16-JUN-1998; 98US-0089514P.
XX 17-JUN-1998; 98US-0089532P.
XX 17-JUN-1998; 98US-0089538P.
XX 17-JUN-1998; 98US-0089598P.
XX 17-JUN-1998; 98US-0089599P.
XX 17-JUN-1998; 98US-0089600P.
XX 18-JUN-1998; 98US-0089653P.
XX 18-JUN-1998; 98US-0089801P.
XX 18-JUN-1998; 98US-0089907P.
XX 18-JUN-1998; 98US-0089908P.
XX 19-JUN-1998; 98US-0089947P.
XX 19-JUN-1998; 98US-0089948P.
XX 19-JUN-1998; 98US-0089952P.
XX 22-JUN-1998; 98US-0090246P.
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XX 22-JUN-1998; 98US-0090254P.
XX 23-JUN-1998; 98US-0090349P.
XX 23-JUN-1998; 98US-0090355P.
XX 24-JUN-1998; 98US-0090429P.
XX 24-JUN-1998; 98US-0090431P.
XX 24-JUN-1998; 98US-0090435P.
XX 24-JUN-1998; 98US-0090444P.
XX 24-JUN-1998; 98US-0090445P.

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PR	24-JUN-1998;	98US-0090540P.	PR	22-DEC-1998;	98US-0113296P.
PR	24-JUN-1998;	98US-0090542P.	PR	05-JAN-1999;	99WO-US000106.
PR	24-JUN-1998;	98US-0090557P.	PR	08-MAR-1999;	99WO-US005028.
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PR	25-JUN-1998;	98US-0090678P.	PR	02-JUN-1999;	99WO-US012252.
PR	25-JUN-1998;	98US-0090690P.	PR	23-JUN-1999;	99US-0141037P.
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PR	01-JUL-1998;	98US-0091544P.	PR	15-SEP-1999;	99WO-US021547.
PR	02-JUL-1998;	98US-0091478P.	PR	08-OCT-1999;	99US-0158663P.
PR	02-JUL-1998;	98US-0091519P.	PR	30-NOV-1999;	99WO-US028313.
PR	02-JUL-1998;	98US-0091626P.	PR	01-DEC-1999;	99WO-US028301.
PR	02-JUL-1998;	98US-0091628P.	PR	16-DEC-1999;	99WO-US028634.
PR	02-JUL-1998;	98US-0091633P.	PR	20-DEC-1999;	99WO-US030095.
PR	02-JUL-1998;	98US-0091646P.	PR	05-JAN-2000;	99WO-US030911.
PR	02-JUL-1998;	98US-0091673P.	PR	06-JAN-2000;	2000WO-US000219.
PR	07-JUL-1998;	98US-0091978P.	PR	11-FEB-2000;	2000WO-US000376.
PR	07-JUL-1998;	98US-0091982P.	PR	18-FEB-2000;	2000WO-US003565.
PR	09-JUL-1998;	98US-0092182P.	PR	22-FEB-2000;	2000WO-US004341.
PR	10-JUL-1998;	98US-0092472P.	PR	24-FEB-2000;	2000WO-US004414.
PR	20-JUL-1998;	98US-0093339P.	PR	24-FEB-2000;	2000WO-US004914.
PR	30-JUL-1998;	98US-0094651P.	PR	02-MAR-2000;	2000WO-US005004.
PR	04-AUG-1998;	98US-0095282P.	PR	10-MAR-2000;	2000WO-US005841.
PR	04-AUG-1998;	98US-0095285P.	PR	15-MAR-2000;	2000WO-US006319.
PR	04-AUG-1998;	98US-0095301P.	PR	20-MAR-2000;	2000WO-US006884.
PR	04-AUG-1998;	98US-0095302P.	PR	30-MAR-2000;	2000WO-US007377.
PR	04-AUG-1998;	98US-0095318P.	PR	15-MAY-2000;	2000WO-US008439.
PR	04-AUG-1998;	98US-0095321P.	PR	17-MAY-2000;	2000WO-US013358.
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PR	10-AUG-1998;	98US-0095916P.	PR	30-MAY-2000;	2000WO-US014042.
PR	10-AUG-1998;	98US-0095929P.	PR	02-JUN-2000;	2000WO-US014941.
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PR	20-AUG-1998;	98US-0097661P.			
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XX OS Homo sapiens.
XX PN US2003068798-A1.
XX PD 10-APR-2003.
XX PF 07-MAY-2002; 2002US-00140928.
XX PR 31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
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PR 14-SEP-1998; 98WO-US019094.
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PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 01-DEC-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
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PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 05-OCT-1999; 99WO-US023089.
PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
PR 30-NOV-1999; 99WO-US028409.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 02-DEC-1999; 99WO-US028564.
PR 02-DEC-1999; 99WO-US028565.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 20-DEC-1999; 99WO-US030999.
PR 22-DEC-1999; 99WO-US030720.
PR 30-DEC-1999; 99WO-US031243.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000277.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 10-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006319.
PR 20-MAR-2000; 2000WO-US006884.
PR 21-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
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PR 02-JUN-2000; 2000WO-US015284.
PR 28-JUL-2000; 2000WO-US020710.
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PR 24-AUG-2000; 2000WO-US023328.
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PR 10-NOV-2000; 2000WO-US030873.
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PR 20-DEC-2000; 2000US-00747259.
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PR 01-MAR-2001; 2001WO-US006520.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 01-JUN-2001; 2001US-00872035.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 14-JUN-2001; 2001US-00882636.
PR 19-JUN-2001; 2001US-00886342.
PR 20-JUN-2001; 2001WO-US019692.
PR 21-JUN-2001; 2001US-00887879.
PR 22-JUN-2001; 2001WO-US020116.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927796.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX PA (GETH) GENENTECH INC.
XX PI Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
PI Geriatric ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX N-PSDB; ADA74595.
DR WPI; 2003-625490/59.
XX N-PSDB; ADA74595.
PT Novel secreted and transmembrane PRO polypeptides and polynucleotides
PT encoding them, useful for treating bone disorders, arthritis, heart
PT attack, injuries, tumors, and stimulating release of Tumor Necrosis
PT Factor-alpha from human blood.
XX Claim 12; Fig 470; 659pp; English.
XX The invention relates to isolated human PRO polypeptides (secreted and
CC transmembrane polypeptides) and the polynucleotides encoding them. The
CC invention also relates to an antibody which specifically binds to a PRO
CC polypeptide, a method for stimulating the release of tumour necrosis
CC factor-alpha (TNF-alpha) from human blood, a method for stimulating the
CC proliferation or differentiation of chondrocyte cells and a method for
CC detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
CC colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
CC polynucleotides are useful in molecular biology, including uses as
CC hybridisation probes, in chromosome and gene mapping, in generating
CC antisense RNA and DNA and in gene therapy. The polynucleotides may also
CC be used in preparing PRO polypeptides by recombinant techniques and in
CC generating either transgenic animals or knock-out animals which are
CC useful in the development and screening of therapeutically useful
CC reagents. The PRO polypeptides or antibodies are used in preparing a
CC medicament for treating a condition responsive to the polypeptides or
CC antibodies, such as tumours, for stimulating and inhibiting proliferation
CC of human microvascular endothelial cells, for modulating the uptake of
CC glucose or PFA by skeletal muscle cells or adipocyte cells, for
CC stimulating differentiation of adipocyte cells, for stimulating
CC proliferation of or gene expression in pericyte cells, for stimulating

CC the proliferation of inner ear utricular supporting cells or T-lymphocyte
CC cells, for inducing endothelial cell tube formation and for treating
CC various bone and/or cartilage disorders such as sports injuries and
CC arthritis. PRO polypeptides which stimulate the release of proteoglycans
CC from cartilage are useful for treating sports-related joint problems,
CC articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
CC polypeptides are also useful for treating various mammalian haemoglobin-
CC associated disorders such as various thalassaemias and conditions which
CC may benefit from enhanced local immune system cell infiltration. This
CC sequence represents a human PRO polypeptide of the invention. Note: The
CC sequence data for this patent is also available in electronic format from
CC USPTO at seqdata.uspto.gov/sequence.html.
XX
SQ

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 60
Db 20 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
Db 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 95

ADB24829

ID ADB24829 standard; protein; 105 AA.

XX AC ADB24829;

XX DT 20-NOV-2003 (first entry)

XX DE Human PRO polypeptide SEQ ID NO 470.

XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;

XX KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

XX KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

XX KW liver; microvascular endothelial cell; glucose; FFA;

XX KW skeletal muscle cell; adipocyte cell; pericyte cell;

XX KW inner ear utricular supporting cell; T-lymphocyte cell;

XX KW endothelial cell tube formation; bone disorder; cartilage disorder;

XX KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;

XX KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;

XX KW immune system cell infiltration.

XX OS Homo sapiens.

XX XX US200307713-A1.

XX PD 24-APR-2003.

XX XX 22-APR-2002; 2002US-00127839.

XX PF 05-JUN-2000; 2000US-0209832P.

XX PR 01-DEC-2000; 2000WO-US032678.

XX PR 19-DEC-2001; 2001US-00028072.

XX XX (GETH) GENENTECH INC.

XX PA Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;

XX PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;

XX PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX XX WPI; 2003-755068/71.

XX DR N-PSDB; ADB24828.

XX XX New isolated, secreted and transmembrane PRO polypeptides and nucleic

XX PT acids, useful for the diagnosis, prevention and/or treatment of tumors,

XX PT such as lung, colon, breast, prostate, rectal, cervical and/or liver

PT tumors.

XX Claim 12; Fig 470; 637pp; English.

XX The invention relates to isolated human PRO polypeptides (secreted and

XX transmembrane polypeptides) and the polynucleotides encoding them. The

XX invention also relates to an antibody which specifically binds to a PRO

XX polypeptide, a method for stimulating the release of tumour necrosis

XX factor-alpha (TNF-alpha) from human blood, a method for stimulating the

XX proliferation or differentiation of chondrocyte cells and a method for

XX detecting the presence of a tumour in a mammal (e.g. adrenal, lung,

XX colon, breast, prostate, rectal, kidney, cervical and liver tumours). The

XX polynucleotides are useful in molecular biology, including uses as

XX hybridisation probes, in chromosome and gene mapping, in generating

XX antisense RNA and DNA and in gene therapy. The polynucleotides may also

XX be used in preparing PRO polypeptides by recombinant techniques and in

XX generating either transgenic animals or knock-out animals which are

XX useful in the development and screening of therapeutically useful

XX reagents. The PRO polypeptides or antibodies are used in preparing a

XX medicament for treating a condition responsive to the polypeptides or

XX antibodies, such as tumours, for stimulating and inhibiting proliferation

XX of human microvascular endothelial cells, for modulating the uptake of

XX glucose or FFA by skeletal muscle cells or adipocyte cells, for

XX stimulating differentiation of adipocyte cells, for stimulating

XX proliferation of or gene expression in pericyte cells, for stimulating

XX the proliferation of inner ear utricular supporting cells or T-lymphocyte

XX cells, for inducing endothelial cell tube formation and for treating

XX various bone and/or cartilage disorders such as sports injuries and

XX arthritis. PRO polypeptides which stimulate the release of proteoglycans

XX from cartilage are useful for treating sports-related joint problems,

XX articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO

XX polypeptides are also useful for treating various mammalian haemoglobin-

XX associated disorders such as various thalassaemias and conditions which

XX may benefit from enhanced local immune system cell infiltration. This

XX sequence represents a human PRO polypeptide of the invention. Note: The

XX sequence data for this patent is also available in electronic format from

XX USPTO at seqdata.uspto.gov/sequence.html.

XX SQ Sequence 105 AA;

Query Match 100.0%; Score 86; DB 6; Length 105;

Best Local Similarity 100.0%; Pred. No. 3.5e-86;

Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 60

Db 20 AVITGACERDVCGAGTCCCAISLWLRGLRMCTPLGREGECHPGSHKVPFFRRKHHTCP 79

QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86

Db 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 96

ADA82353

ID ADA82353 standard; protein; 105 AA.

XX AC ADA82353;

XX DT 20-NOV-2003 (first entry)

XX DE Human PRO polypeptide #235.

XX KW Human; PRO; secreted polypeptide; transmembrane polypeptide;

XX KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;

XX KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;

XX KW liver; microvascular endothelial cell; glucose; FFA;

XX KW skeletal muscle cell; adipocyte cell; pericyte cell;

XX KW inner ear utricular supporting cell; T-lymphocyte cell;

XX KW endothelial cell tube formation; bone disorder; cartilage disorder;

XX KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;

XX KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;

XX KW immune system cell infiltration.

PR	20-DEC-1999;	99WO-US030911.	PT	New secreted and transmembrane PRO polypeptides useful for stimulating
PR	20-DEC-1999;	99WO-US030999.	PT	the release of tumor necrosis factor alpha in human blood and detecting
PR	22-DEC-1999;	99WO-US030720.	PT	the presence of tumor in a mammal.
PR	30-DEC-1999;	99WO-US031243.	XX	Claim 12; Fig 470; 638pp; English.
PR	05-JAN-2000;	2000WO-US000219.	XX	The invention relates to isolated human PRO polypeptides (secreted and
PR	06-JAN-2000;	2000WO-US000277.	CC	transmembrane polypeptides) and the polynucleotides encoding them. The
PR	11-FEB-2000;	2000WO-US003565.	CC	invention also relates to an antibody which specifically binds to a PRO
PR	18-FEB-2000;	2000WO-US004341.	CC	polypeptide, a method for stimulating the release of tumour necrosis
PR	18-FEB-2000;	2000WO-US004343.	CC	factor-alpha (TNF-alpha) from human blood, a method for stimulating the
PR	22-FEB-2000;	2000WO-US004414.	CC	proliferation or differentiation of chondrocyte cells and a method for
PR	24-FEB-2000;	2000WO-US004914.	CC	detecting the presence of a tumour in a mammal (e.g. adrenal, lung,
PR	24-FEB-2000;	2000WO-US005004.	CC	colon, breast, prostate, rectal, kidney, cervical and liver tumours). The
PR	01-MAR-2000;	2000WO-US005601.	CC	polynucleotides are useful in molecular biology, including uses as
PR	02-MAR-2000;	2000WO-US005746.	CC	hybridisation probes, in chromosome and gene mapping, in generating
PR	02-MAR-2000;	2000WO-US005841.	CC	antisense RNA and DNA and in gene therapy. The polynucleotides may also
PR	10-MAR-2000;	2000WO-US006319.	CC	be used in preparing PRO polypeptides by recombinant techniques and in
PR	15-MAR-2000;	2000WO-US006884.	CC	generating either transgenic animals or knock-out animals which are
PR	20-MAR-2000;	2000WO-US007377.	CC	useful in the development and screening of therapeutically useful
PR	21-MAR-2000;	2000WO-US007532.	CC	reagents. The PRO polypeptides or antibodies are used in preparing a
PR	30-MAR-2000;	2000WO-US008433.	CC	medicament for treating a condition responsive to the polypeptides or
PR	17-MAY-2000;	2000WO-US013705.	CC	antibodies, such as tumours, for stimulating and inhibiting proliferation
PR	22-MAY-2000;	2000WO-US014042.	CC	of human microvascular endothelial cells, for modulating the uptake of
PR	20-MAY-2000;	2000WO-US014941.	CC	glucose or FFA by skeletal muscle cells or adipocyte cells, for
PR	02-JUN-2000;	2000WO-US015264.	CC	stimulating differentiation of adipocyte cells, for stimulating
PR	28-JUL-2000;	2000WO-US020710.	CC	proliferation of or gene expression in pericyte cells, for stimulating
PR	11-AUG-2000;	2000WO-US022031.	CC	the proliferation of inner ear utricular supporting cells or T-lymphocyte
PR	23-AUG-2000;	2000WO-US023522.	CC	cells, for inducing endothelial cell tube formation and for treating
PR	24-AUG-2000;	2000WO-US023328.	CC	various bone and/or cartilage disorders such as sports injuries and
PR	08-NOV-2000;	2000WO-US030952.	CC	arthritis. PRO polypeptides which stimulate the release of proteoglycans
PR	10-NOV-2000;	2000WO-US030873.	CC	from cartilage are useful for treating sports-related joint problems,
PR	01-DEC-2000;	2000WO-US032678.	CC	articular cartilage defects, osteoarthritis and rheumatoid arthritis. PRO
PR	20-DEC-2000;	2000US-00747259.	CC	polypeptides are also useful for treating various mammalian haemoglobin-
PR	28-FEB-2001;	2001US-00796498.	CC	associated disorders such as various thalassaemias and conditions which
PR	28-FEB-2001;	2001US-00796498.	CC	may benefit from enhanced local immune system cell infiltration. This
PR	01-MAR-2001;	2001WO-US006520.	CC	sequence represents a human PRO polypeptide of the invention. Note: The
PR	09-MAR-2001;	2001US-00802706.	CC	sequence data for this patent is also available in electronic format from
PR	14-MAR-2001;	2001US-00808689.	CC	USPTO at seqdata.uspto.gov/sequence.html.
PR	22-MAR-2001;	2001US-00816744.	XX	Sequence 105 AA;
PR	05-APR-2001;	2001US-00828366.	Query Match	100.0%; Score 86; DB 6; Length 105;
PR	10-MAY-2001;	2001US-00854208.	Best Local Similarity	100.0%; Pred. No. 3.5e-86;
PR	18-MAY-2001;	2001US-00854280.	Matches 86; Conservative	0; Mismatches 0; Indels 0; Gaps 0;
PR	25-MAY-2001;	2001US-00866028.		
PR	25-MAY-2001;	2001US-00866034.		
PR	25-MAY-2001;	2001WO-US017092.		
PR	01-JUN-2001;	2001US-00872035.	QY	1 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGRGEGECHPGSHKVPFFRKRHHTCP 60
PR	01-JUN-2001;	2001WO-US017800.	Db	20 AVITGACERDVQCGAGTCCATSLWLRGLRMCTPLGRGEGECHPGSHKVPFFRKRHHTCP 79
PR	05-JUN-2001;	2001US-00874503.	QY	61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
PR	14-JUN-2001;	2001US-00882636.	Db	80 CLPNLLCSRFDPGRYRCSDMLKNINF 105
PR	19-JUN-2001;	2001US-00886342.		
PR	21-JUN-2001;	2001US-00887879.		
PR	22-JUN-2001;	2001WO-US020116.	RESULT 98	
PR	29-JUN-2001;	2001WO-US021066.	ADA85394	
PR	09-JUL-2001;	2001WO-US021735.	ID	ADA85394 standard; protein; 105 AA.
PR	18-JUL-2001;	2001US-00908827.	XX	
PR	06-AUG-2001;	2001US-00924419.	AC	ADA85394;
PR	09-AUG-2001;	2001US-00927796.	XX	
PR	16-AUG-2001;	2001US-00931836.	DT	20-NOV-2003 (first entry)
PR	19-DEC-2001;	2001US-00028072.	XX	
PA	(GETH) GENENTECH INC.		DE	Novel human secreted and transmembrane protein PRO1186.
XX			XX	Human; secreted and transmembrane protein; PRO;
PI	Baker KP, Beresini M, Deforge L, Deenoyers L, Filvaroff E, Gao W;		KW	Tumour necrosis factor alpha release; TNF-alpha release;
PI	Gerritsen WB, Goddard A, Godowski PJ, Gurney AL, Sherwood S;		KW	glucose uptake modulator; FFA uptake modulator;
PI	Smith V, Stewart TA, Tamas D, Watanabe CK, Wood WI, Zhang Z;		KW	cell proliferation stimulator; cell differentiation stimulator;
XX			KW	cell differentiation inhibitor; cytokine release stimulator; tumour;
DR	WPI; 2003-765392/72.		KW	lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
XX	N-PSDB; ADA75315.		KW	cervical tumour; liver tumour; chromosome mapping; gene mapping;
				gene therapy; chromosome identification; chromosome marker.

XX OS Homo sapiens.
XX XX US2003082695-A1.
XX XX 01-MAY-2003.
XX XX 22-APR-2002; 2002US-00127846.
XX XX 03-MAR-2000; 2000US-0187202P.
XX PR 01-DEC-2000; 2000WO-US032678.
XX PR 19-DEC-2001; 2001US-00028072.
XX XX (GETH) GENENTECH INC.
XX XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
XX PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
XX PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX XX WPI; 2003-786909/74.
XX DR N-PSDB; ADA85393.
XX XX New nucleic acid encoding a PRO polypeptide, useful for preparing a
XX PT composition for treating e.g. tumor by gene therapy, or for tissue
XX PT typing.
XX XX Claim 12; Fig 470; 637pp; English.
XX XX The invention describes 305 nucleic acids encoding PRO (secreted and
XX CC transmembrane) polypeptides (I). (I) is useful for stimulating the
XX CC release of TNF-alpha from human blood, for modulating the uptake of
XX CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
XX CC stimulating the proliferation or differentiation of chondrocyte cells,
XX CC for stimulating the proliferation of or gene expression in pericyte
XX CC cells, for stimulating the release of proteoglycans from cartilage,
XX CC for stimulating the proliferation of inner ear utricular supporting cells,
XX CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
XX CC the release of a cytokine from PBMC cells, for inhibiting the binding of
XX CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
XX CC cells, for stimulating proliferation of endothelial cells, for detecting
XX CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
XX CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
XX CC are useful for isolating genomic and cDNA nucleotide sequences or
XX CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
XX CC in assays to identify other proteins or molecules involved in binding
XX CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
XX CC and gene mapping, in generation of antisense RNA and DNA, in the
XX CC preparation of PRO polypeptide, for generating transgenic animals or
XX CC knockout animals which in turn are useful in the development and
XX CC screening of therapeutically useful reagents, in gene therapy, for
XX CC chromosome identification, as chromosome marker, and for generating
XX CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
XX CC detecting its expression in specific cells, tissues or serum, and for
XX CC affinity purification of PRO from recombinant cell culture or natural
XX CC sources. (I) and (II) are useful for tissue typing. This is the amino
XX CC acid sequence of a novel human secreted and transmembrane PRO
XX CC polypeptide.
XX XX Sequence 105 AA;
XX SQ

Query Match 100.0%; Score 86; DB 6; Length 105;
Best Local Similarity 100.0%; Pred. No. 3.5e-86;
Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACRDVCGAGTCCATSLWLRGLRMCTPLGREGEGCHGSHKVPFFRKRRKHTCP 60
DB 20 AVITGACRDVCGAGTCCATSLWLRGLRMCTPLGREGEGCHGSHKVPFFRKRRKHTCP 79
QY 61 CLPNLLCSRFDPGRYRCSDMLKNINF 86
DB 80 CLPNLLCSRFDPGRYRCSDMLKNINF 105

RESULT 99
ADA84842
ID ADA84842 standard; protein; 105 AA.
XX XX
AC ADA84842;
XX XX
DT 20-NOV-2003 (first entry)
XX XX Novel human secreted and transmembrane protein PRO1186.
XX DE
XX XX Human; secreted and transmembrane protein; PRO;
XX KW Tumour necrosis factor alpha release; TNF-alpha release;
XX KW glucose uptake modulator; FFA uptake modulator;
XX KW cell proliferation stimulator; cell differentiation stimulator;
XX KW cell differentiation inhibitor; cytokine release stimulator;
XX KW lung tumour; colon tumour; breast tumour; prostate tumour; rectal tumour;
XX KW cervical tumour; liver tumour; chromosome mapping; gene mapping;
XX KW gene therapy; chromosome identification; chromosome marker.
XX OS Homo sapiens.
XX XX
XX XX US2003082708-A1.
XX XX 01-MAY-2003.
XX XX
XX PF 15-MAY-2002; 2002US-00146729.
XX XX
XX PR 05-JUN-2000; 2000US-0209832P.
XX PR 01-DEC-2000; 2000WO-US032678.
XX PR 19-DEC-2001; 2001US-00028072.
XX XX
XX XX (GETH) GENENTECH INC.
XX XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff E, Gao W;
XX PI Gerritsen ME, Goddard A, Godowski PJ, Gurney AL, Sherwood S;
XX PI Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;
XX XX WPI; 2003-786911/74.
XX DR N-PSDB; ADA84841.
XX XX New PRO nucleic acid, useful for preparing a composition for treating
XX PT e.g. tumor or for tissue typing.
XX PT
XX PS Claim 12; Fig 470; 637pp; English.
XX XX The invention describes 305 nucleic acids encoding PRO (secreted and
XX CC transmembrane) polypeptides (I). (I) is useful for stimulating the
XX CC release of TNF-alpha from human blood, for modulating the uptake of
XX CC glucose or FFA by skeletal muscle cells or adipocyte cells, for
XX CC stimulating the proliferation or differentiation of chondrocyte cells,
XX CC for stimulating the proliferation of or gene expression in pericyte
XX CC cells, for stimulating the release of proteoglycans from cartilage,
XX CC for stimulating the proliferation of inner ear utricular supporting cells,
XX CC for stimulating the proliferation of T-lymphocyte cells, for stimulating
XX CC the release of a cytokine from PBMC cells, for inhibiting the binding of
XX CC A-peptide to factor VIIA, for inhibiting the differentiation of adipocyte
XX CC cells, for stimulating proliferation of endothelial cells, for detecting
XX CC the presence of tumour in a mammal. The tumour is lung, colon, breast,
XX CC prostate, rectal, cervical or liver tumour. The oligonucleotide probes
XX CC are useful for isolating genomic and cDNA nucleotide sequences or
XX CC antisense probes. (I) is also useful as therapeutic agent. PRO is useful
XX CC in assays to identify other proteins or molecules involved in binding
XX CC interaction. A polynucleotide (II) encoding (I) is useful in chromosome
XX CC and gene mapping, in generation of antisense RNA and DNA, in the
XX CC preparation of PRO polypeptide, for generating transgenic animals or
XX CC knockout animals which in turn are useful in the development and
XX CC screening of therapeutically useful reagents, in gene therapy, for
XX CC chromosome identification, as chromosome marker, and for generating
XX CC probes. An anti-(I)-antibody is useful in diagnostic assays for PRO, e.g.
XX CC detecting its expression in specific cells, tissues or serum, and for
XX CC affinity purification of PRO from recombinant cell culture or natural
XX CC sources. (I) and (II) are useful for tissue typing. This is the amino
XX CC acid sequence of a novel human secreted and transmembrane PRO
XX CC polypeptide.

```
CC polypeptide.
XX Sequence 105 AA;
SQ
    Query Match      100.0%; Score 86; DB 6; Length 105;
    Best Local Similarity 100.0%; Pred. No. 3.5e-86;
    Matches 86; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AVITGACERDVCGAGTCACISLWLRLGLRMCTPLRGEGECHPGSHKVPFFRKXKHTCP 60
   |||||
Db 20 AVITGACERDVCGAGTCACISLWLRLGLRMCTPLRGEGECHPGSHKVPFFRKXKHTCP 79
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QY 61 CLPNLLCSRFPPDGRYRCSMDLKNINF 86
   |||||
Db 80 CLPNLLCSRFPPDGRYRCSMDLKNINF 105
   |||||

RESULT 100
ADB30098
ID ADB30098 standard; protein; 105 AA.
XX
AC ADB30098;
XX
DT 20-NOV-2003 (first entry)
XX
DE Human PRO polypeptide #235.
XX
KW Human; PRO; secreted polypeptide; transmembrane polypeptide;
KW tumour necrosis factor-alpha; TNF-alpha; chondrocyte cell; tumour;
KW cancer; adrenal; lung; colon; breast; prostate; rectum; kidney; cervix;
KW liver; microvascular endothelial cell; glucose; FFA;
KW skeletal muscle cell; adipocyte cell; pericyte cell;
KW inner ear utricular supporting cell; T-lymphocyte cell;
KW endothelial cell tube formation; bone disorder; cartilage disorder;
KW sports injury; proteoglycan; articular cartilage defect; osteoarthritis;
KW rheumatoid arthritis; haemoglobin-associated disorder thalassaemia;
KW immune system cell infiltration.
XX
OS Homo sapiens.
XX
PN US2003073214-A1.
XX
PD 17-APR-2003.
XX
PF 17-APR-2002; 2002US-00124822.
XX
31-MAR-1997; 97WO-US005230.
PR 12-JUN-1998; 98WO-US012456.
PR 14-JUL-1998; 98WO-US014552.
PR 28-AUG-1998; 98WO-US017888.
PR 10-SEP-1998; 98WO-US018824.
PR 14-SEP-1998; 98WO-US019093.
PR 14-SEP-1998; 98WO-US019177.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 29-OCT-1998; 98WO-US022991.
PR 29-OCT-1998; 98WO-US022992.
PR 20-NOV-1998; 98WO-US024855.
PR 01-DEC-1998; 98WO-US025108.
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PR 20-APR-1999; 99WO-US008615.
PR 14-MAY-1999; 99WO-US010733.
PR 02-JUN-1999; 99WO-US012252.
PR 01-SEP-1999; 99WO-US020111.
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PR 13-SEP-1999; 99WO-US020944.
PR 15-SEP-1999; 99WO-US021090.
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PR 29-NOV-1999; 99WO-US028214.
PR 30-NOV-1999; 99WO-US028313.
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PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
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PR 02-DEC-1999; 99WO-US028564.
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PR 16-DEC-1999; 99WO-US030095.
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PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005746.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 21-MAR-2000; 2000WO-US007532.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 10-NOV-2000; 2000WO-US030873.
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PR 01-MAR-2001; 2001WO-US006520.
PR 09-MAR-2001; 2001US-00802706.
PR 14-MAR-2001; 2001US-00808689.
PR 22-MAR-2001; 2001US-00816744.
PR 05-APR-2001; 2001US-00828366.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 18-MAY-2001; 2001US-00860216.
PR 25-MAY-2001; 2001US-00866028.
PR 25-MAY-2001; 2001US-00866034.
PR 25-MAY-2001; 2001WO-US017092.
PR 01-JUN-2001; 2001US-00872035.
PR 05-JUN-2001; 2001WO-US017800.
PR 14-JUN-2001; 2001US-00874503.
PR 19-JUN-2001; 2001US-00882636.
PR 20-JUN-2001; 2001US-00886342.
PR 21-JUN-2001; 2001WO-US019692.
PR 22-JUN-2001; 2001US-00887879.
PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 06-AUG-2001; 2001US-00924419.
PR 09-AUG-2001; 2001US-00927196.
PR 16-AUG-2001; 2001US-00931836.
PR 19-DEC-2001; 2001US-00028072.
XX
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